APTD-69-18

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1968 DATA TABULATIONS AND SUMMARIES

PHILADELPHIA

Continuous Air Monitoring Projects

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
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Sulfur dioxide
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Aerosols
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Arithmetic mean
Seasonal variations
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NATIONAL AIR SURVEILLANCE NETWORKS
PHILADELPHIA

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service
National Air Pollution Control Administration
Division of Air Quality and Emission Data
Raleigh, North Carolina
December, 1969

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PREFACE

One of the Continuous Air Monitoring Projects of the National Air Surveillance Networks is to routinely operate continuous monitoring stations in six major cities. The data tabulations in this report consist of hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels in Chicago during 1968. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants at the Chicago station are included. Annual frequency distributions of the data pertaining to gases and soiling index are presented for all six CAMP stations.

Summaries of 1968 data for Chicago, Cincinnati, Denver, St. Louis, and Washington, D. C. are available from the National Air Pollution Control Administration. Similar data summaries have been published, along with various analyses and interpretative material, for previous years' operations.

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SECTION 1.
SUMMARY OF MONTHLY MEANS AND MAXIMUMS AND FREQUENCY DISTRIBUTIONS OF POLLUTANT CONCENTRATIONS

TABLE 1-1 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR CARBON MONOXIDE

PHILADELPHIA 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	9.4	14.	19	32.	27#	23	42.	19	1820
FEB.	22	9.3	19.	7	35.	7	0	49.	6	1930
MARCH	29	11.5	23.	10#	35.	8	0	40.	8	25
APRIL	21	7.2	18.	12	34.	12	16	37.	12	1600
MAY	26	6.9	11.	17	17.	17	23	22.	18#	0
JUNE	21	7.0	12.	21	21.	21	6	23.	21	610
JULY	26	9.4	13.	30	17.	30	16	21.	30	920
AUG.	8	A	13.	11#	25.	11#	22	26.	11#	2225
SEPT.	0	A								
OCT.	0	A								
NOV.	0	A								
DEC.	0	A								
YEAR	184	9.4	23.		35.			49.		

TABLE 1-2 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITRIC OXIDE

PHILADELPHIA 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	30	0.099	0.37	28#	1.42	27#	23	1.68	27#	2335
FEB.	27	0.067	0.27	27	0.77	7	1	1.09	27	900
MARCH	31	0.067	0.25	10#	0.80	8	1	0.88	8	40
APRIL	24	0.042	0.10	29	0.34	29	1	0.44	29	200
MAY	12	A	0.08	7	0.39	7	22	0.43	7	2230
JUNE	17	0.031	0.05	14	0.19	14	23	0.41	14	2300
JULY	24	0.022	0.06	30	0.25	30	0	0.31	24	815
AUG.	24	0.022	0.06	9	0.21	12	2	0.24	12	200
SEPT.	27	0.052	0.17	19	0.94	19	23	1.04	19	2300
OCT.	31	0.052	0.24	16	0.64	15	23	0.73	15	2310
NOV.	28	0.050	0.21	1	0.55	1	7	0.65	23#	815
DEC.	20	0.057	0.16	28#	0.59	20	8	0.76	20	900
YEAR	295	0.054	0.37		1.42			1.68		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
: INDICATES SATURDAY
: INDICATES SUNDAY

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TABLE 1-3 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITROGEN DIOXIDE

PHILADELPHIA 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	0.033	0.07	28#	0.13	27*	23	0.14	27*	2330
FEB.	22	0.024	0.05	28	0.09	7	1	0.10	7	105
MARCH	29	0.038	0.08	28	0.20	21	13	0.22	21	1335
APRIL	24	0.033	0.05	30	0.08	19	13	0.10	19	1655
MAY	16	A	0.06	3	0.09	3	10	0.09	3	950
JUNE	30	0.054	0.09	6	0.18	15*	7	0.19	15*	745
JULY	29	0.052	0.09	17	0.16	18	8	0.17	17	1910
AUG.	30	0.039	0.06	20	0.14	1	18	0.16	1	1820
SEPT.	30	0.049	0.08	21*	0.19	17	11	0.20	17	1115
OCT.	23	0.042	0.08	15	0.19	16	13	0.20	16	1305
NOV.	30	0.032	0.07	1	0.11	1	9	0.12	1	915
DEC.	26	0.031	0.06	11	0.10	28*	12	0.10	11	1925
YEAR	320	0.039	0.09		0.20			0.22		

TABLE 1-4 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR SULFUR DIOXIDE

PHILADELPHIA 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	0.164	0.36	18	0.88	19	11	1.10	19	1120
FEB.	29	0.094	0.26	17*	0.71	16	22	0.90	17*	730
MARCH	31	0.119	0.36	28	0.65	21	13	1.01	21	735
APRIL	28	0.093	0.27	3	0.65	2	22	0.78	2	2235
MAY	23	0.068	0.20	23	0.41	23	9	0.52	23	910
JUNE	26	0.071	0.17	22*	0.46	15*	7	0.74	19	2310
JULY	29	0.062	0.12	13*	0.59	24	7	0.81	24	740
AUG.	30	0.050	0.21	6	0.54	13	6	0.82	13	800
SEPT.	28	0.040	0.09	24	0.36	24	23	0.45	24	2305
OCT.	31	0.047	0.11	13#	0.37	15	11	0.44	15	1155
NOV.	29	0.075	0.20	22	0.59	22	8	0.68	22	800
DEC.	31	0.074	0.20	11	0.40	2	19	0.55	2	1955
YEAR	346	0.081	0.36		0.88			1.10		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

TABLE 1-5 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR HYDROCARBON

PHILADELPHIA 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	29	2.20	4.4	19	9.7	19	2	13.3	19	215
FEB.	20	2.15	3.7	27	8.2	27	8	9.4	27	910
MARCH	30	2.43	4.5	28	9.6	28	8	12.3	28	755
APRIL	26	2.01	3.1	13#	5.0	13#	23	6.1	14#	40
MAY	27	2.02	3.2	23	8.6	23	7	10.5	23	710
JUNE	21	2.25	3.8	7	5.9	15*	6	7.4	3	215
JULY	31	1.78	3.1	18	5.8	17	21	7.4	17	2110
AUG.	31	2.03	2.7	16	4.8	25#	1	7.3	22	1620
SEPT.	21	2.45	3.4	17	8.2	17	7	6.9	7#	2310
OCT.	2	A	4.8	16	7.8	16	7	8.1	16	655
NOV.	1	A	4.4	1	6.2	1	7	7.6	1	2230
DEC.	0	A								
YEAR	239	2.15	4.8		9.7			13.3		

TABLE 1-6 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR TOTAL OXIDANT

PHILADELPHIA 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	28	0.018	0.04	19	0.17	27#	23	0.31	27#	2340
FEB.	16	A	0.04	29	0.09	7	1	0.11	6	2355
MARCH	29	0.031	0.08	10#	0.21	10#	4	0.25	10#	415
APRIL	18	0.023	0.04	19	0.10	19	17	0.14	19	1555
MAY	0	A								
JUNE	14	A	0.05	15*	0.14	15*	12	0.17	15*	1320
JULY	17	0.026	0.06	18	0.16	18	9	0.20	18	925
AUG.	20	0.025	0.04	22	0.14	22	14	0.19	22	1355
SEPT.	20	0.029	0.05	23	0.13	7*	23	0.18	7*	2310
OCT.	13	A	0.04	8	0.07	6#	6	0.10	6#	640
NOV.	11	A	0.02	21	0.04	21	17	0.12	24#	1555
DEC.	6	A	0.03	21*	0.04	21*	23	0.06	21*	2350
YEAR	192	0.023	0.08		0.21			0.31		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table 1-7. FREQUENCY DISTRIBUTION OF CONCENTRATION OF GASEOUS ATMOSPHERIC POLLUTANTS
(5-minute values, concentration in parts per million)

City/pollutant	Valid data, %	Minimum	Frequency distribution, percent: 10	30	50	70	90	95	98	99	Maximum	Arithmetic mean
CHICAGO												
CARBON MONOXIDE	65	0	1	3	5	7	13	16	20	24	57	6.2
NITRIC OXIDE	79	.00	.01	.03	.06	.09	.15	.18	.23	.28	.66	.071
NITROGEN DIOXIDE	78	.00	.03	.04	.05	.05	.07	.08	.10	.11	.29	.048
SULFUR DIOXIDE	80	.00	.01	.04	.08	.14	.28	.36	.48	.57	1.33	.117
HYDROCARBON	75	.0	1.9	2.3	2.7	3.2	4.1	4.7	5.6	6.6	17.3	2.90
TOTAL OXIDANT	55	.00	.00	.01	.02	.03	.05	.07	.09	.10	.47	.023
CINCINNATI												
CARBON MONOXIDE	57	0	3	4	5	6	9	11	15	31	45	5.6
NITRIC OXIDE	34	.00	.00	.01	.03	.06	.18	.27	.38	.46	1.26	.064
NITROGEN DIOXIDE	73	.00	.02	.02	.03	.04	.05	.06	.07	.08	1.19	.031
SULFUR DIOXIDE	76	.00	.00	.00	.01	.02	.04	.06	.08	.10	1.49	.017
HYDROCARBON	81	.5	1.7	2.0	2.2	2.6	4.0	5.1	6.5	7.4	18.1	2.58
TOTAL OXIDANT	26	.00	.00	.02	.02	.03	.05	.06	.08	.10	.19	.022
DENVER												
CARBON MONOXIDE	71	0	1	3	4	6	11	14	19	24	90	5.3
NITRIC OXIDE	62	.00	.00	.01	.02	.04	.10	.14	.21	.26	.68	.036
NITROGEN DIOXIDE	71	.00	.01	.02	.03	.04	.06	.07	.09	.11	.38	.036
SULFUR DIOXIDE	60	.00	.00	.00	.01	.02	.03	.04	.06	.08	1.81	.012
HYDROCARBON	71	.0	1.7	2.1	2.5	3.1	4.4	5.4	7.0	8.5	18.7	2.89
TOTAL OXIDANT	48	.00	.00	.01	.03	.04	.06	.07	.09	.11	.43	.029
PHILADELPHIA												
CARBON MONIXIDE	48	0	3	6	8	10	15	18	22	25	49	8.5
NITRIC OXIDE	70	.00	.00	.02	.03	.05	.12	.18	.28	.41	1.68	.054
NITROGEN DIOXIDE	77	.00	.02	.03	.03	.04	.07	.08	.10	.12	.22	.039
SULFUR DIOXIDE	89	.00	.01	.03	.05	.08	.19	.28	.40	.48	1.10	.080
HYDROCARBON	60	.0	1.3	1.6	1.9	2.3	3.3	4.1	5.1	5.9	13.3	2.14
TOTAL OXIDANT	42	.00	.00	.01	.02	.03	.05	.06	.08	.10	.31	.022
ST. LOUIS												
CARBON MONOXIDE	86	0	2	3	4	5	8	10	13	16	47	4.6
NITRIC OXIDE	66	.00	.00	.01	.02	.04	.08	.11	.16	.20	.44	.032
NITROGEN DIOXIDE	81	.00	.01	.02	.02	.03	.04	.05	.06	.07	.20	.023
SULFUR DIOXIDE	90	.00	.00	.00	.01	.03	.07	.11	.18	.23	1.33	.028
HYDROCARBON	89	.4	2.0	2.6	3.1	3.7	5.0	6.0	8.0	9.4	17.1	3.40
TOTAL OXIDANT	48	.00	.00	.01	.02	.03	.04	.05	.07	.08	.37	.022
WASHINGTON D.C.												
CARBON MONOXIDE	82	0	1	2	3	4	6	8	11	14	59	3.3
NITRIC OXIDE	71	.00	.00	.01	.01	.03	.08	.13	.23	.33	.76	.035
NITROGEN DIOXIDE	64	.00	.02	.03	.04	.05	.08	.09	.11	.12	.26	.047
SULFUR DIOXIDE	74	.00	.00	.00	.02	.05	.10	.13	.17	.20	.47	.036
HYDROCARBON	82	.0	1.6	1.8	2.0	2.3	3.0	3.6	4.9	6.0	18.6	2.23
TOTAL OXIDANT	59	.00	.00	.01	.02	.03	.06	.08	.10	.12	.29	.027

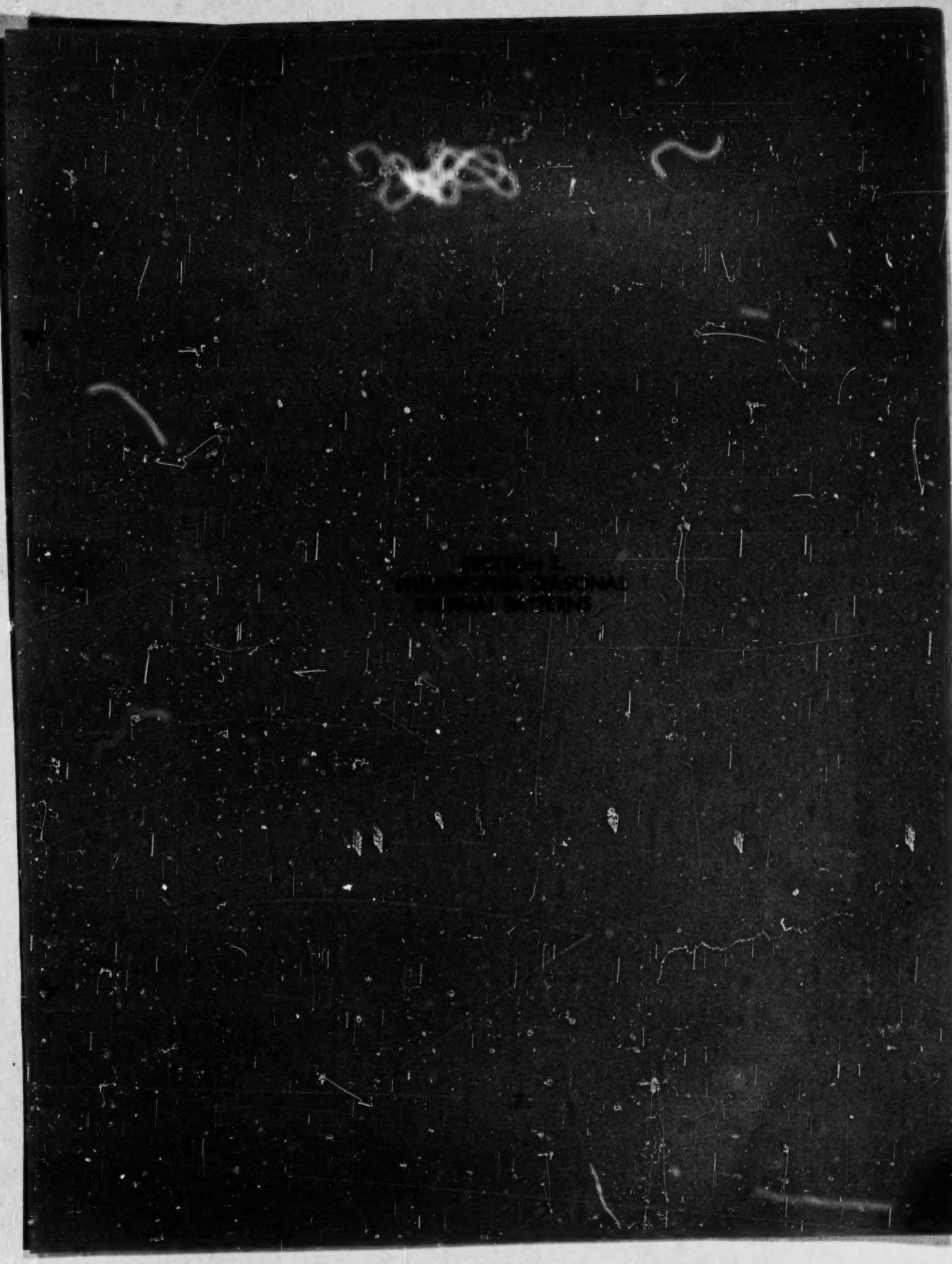
Table 1-8. FREQUENCY DISTRIBUTION OF SOILING INDEX
(2-hour measurements, concentration in COHS/1000 lineal feet)

(CONCENTRATION IN COHS/1000 LIN. FT.)

CITY	VALID DATA*	MIN	FREQUENCY DISTRIBUTION-PERCENT: 10	30	50	70	90	95	98	99	MAX	ARITH MEAN
CHICAGO	100	.0	.5	.9	1.2	1.6	2.3	2.8	3.6	4.1	8.2	1.35
CINCINNATI	95	.0	.2	.5	.7	1.0	1.7	2.2	2.8	3.3	5.6	.87
PHILADELPHIA	100	.0	.3	.6	.8	1.1	1.8	2.2	2.9	3.6	5.6	.95
WASHINGTON, D C	90	.0	.4	.6	.9	1.2	2.0	2.5	3.1	3.6	6.6	1.06
ST LOUIS	80	.0	.2	.4	.6	.8	1.4	1.8	2.3	2.7	4.7	.73
DENVER	75	.0	.2	.4	.6	.9	1.7	2.2	2.9	3.3	6.8	.80

* REPORTED TO NEAREST FIVE PERCENT

VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE



PHILADELPHIA SEASONAL DIURNAL PATTERNS

Figures 1 through 6 are graphs showing the seasonal diurnal patterns for carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants, respectively. Each figure contains four curves, one representing each season, as follows: long-dashed line for summer, short-dashed line for autumn, mixed-dashed line for winter, and solid line for spring.

Each curve represents a composite of the approximately 90 daily patterns in each season, plotted by computer using 15-minute averages derived from the basic 5-minute measurements. Dotted lines indicate portions of the curve for which insufficient data are available to provide a valid seasonal average.

The seasons are defined as follows: Winter consists of December, 1967, and January and February, 1968; spring consists of March, April, and May; summer consists of June, July, and August; and autumn consists of September, October and November, 1968.

It should be noted that CAMP stations operate on a Standard Time basis. Consequently, during the seasons of Daylight Savings Time, 1-hour shifts may be noted in diurnal patterns of certain pollutants because of a shift in the patterns of human activity that generates these pollutants.

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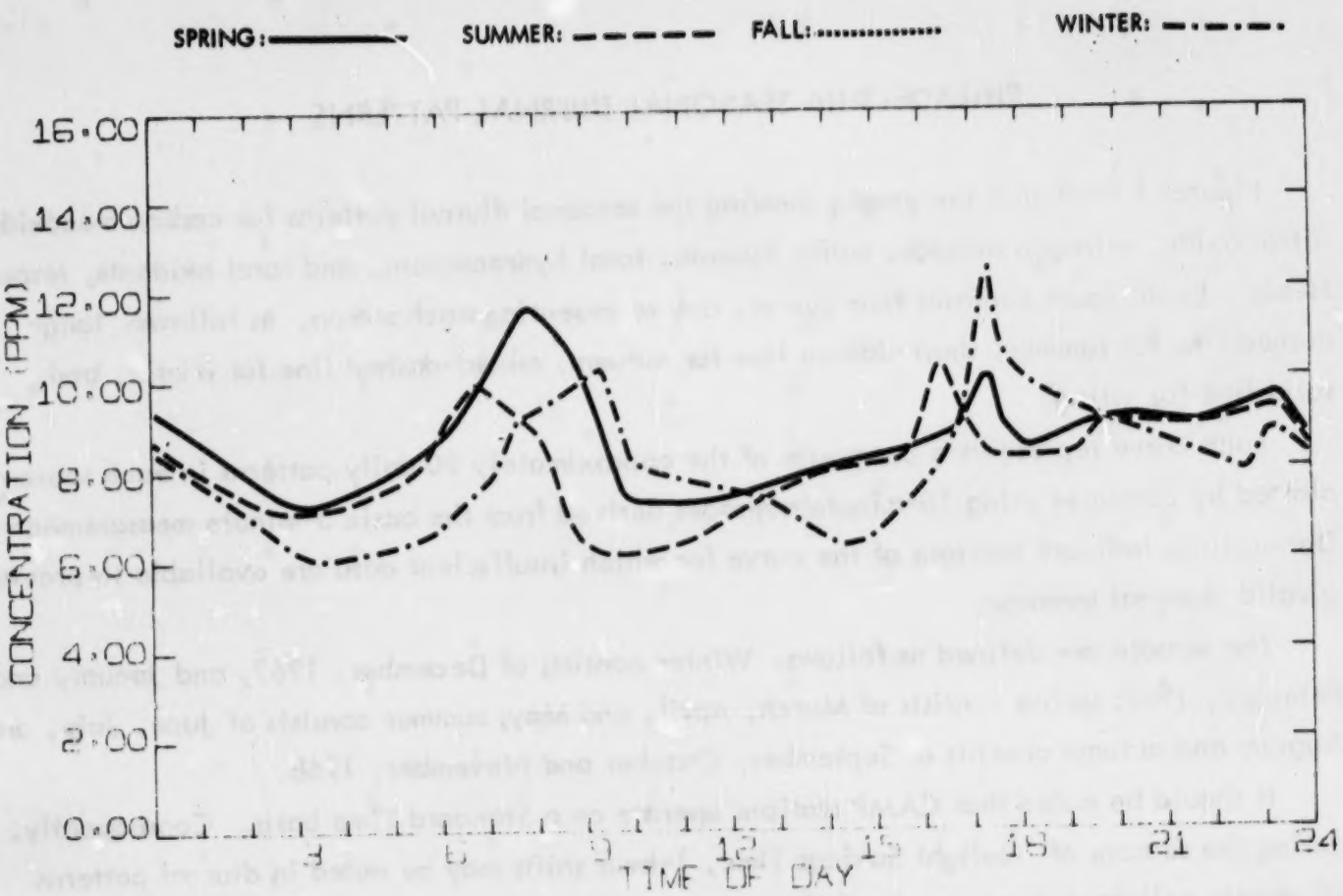


FIGURE 1. SEASONAL DIURNAL PATTERNS OF CARBON MONOXIDE CONCENTRATIONS

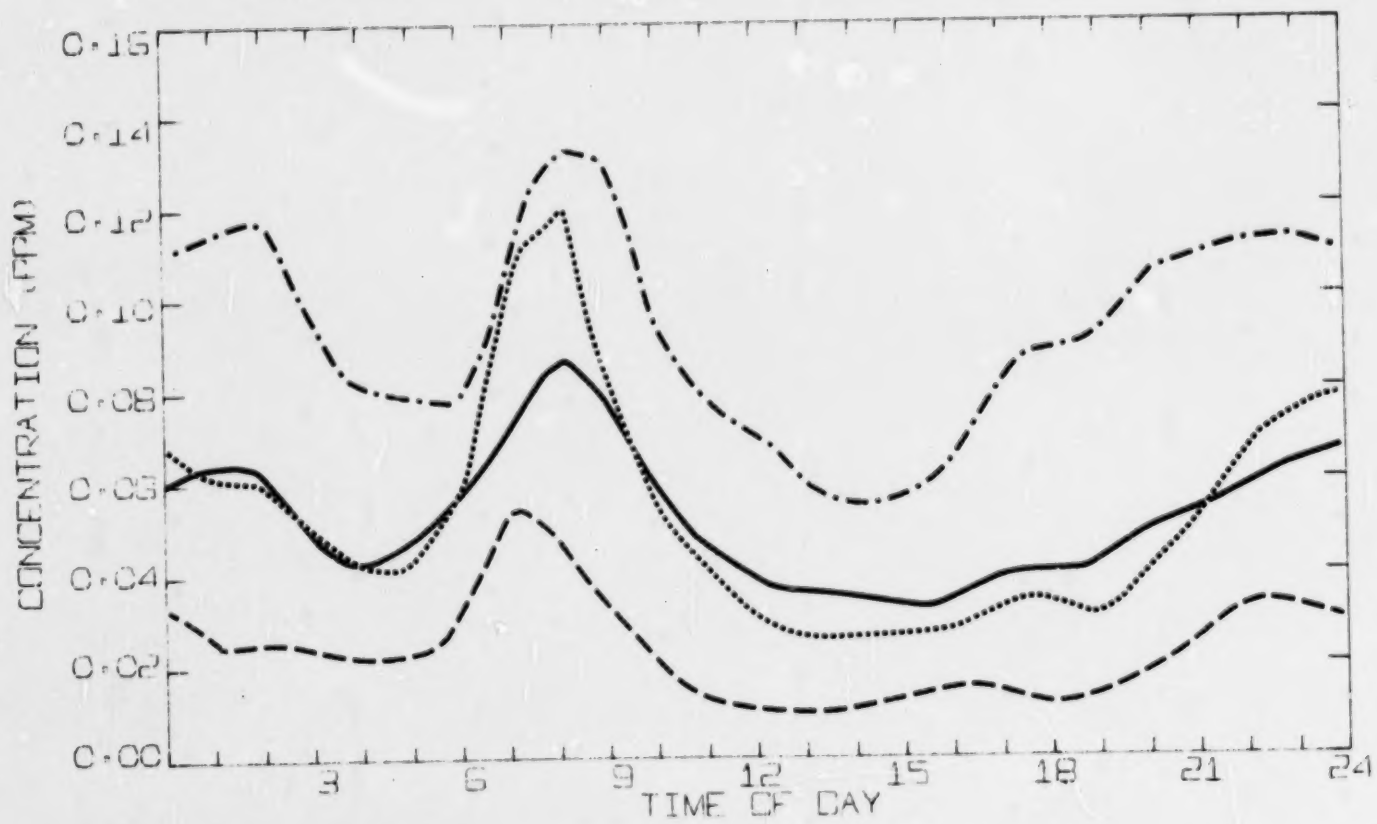


FIGURE 2. SEASONAL DIURNAL PATTERNS OF NITRIC OXIDE CONCENTRATIONS

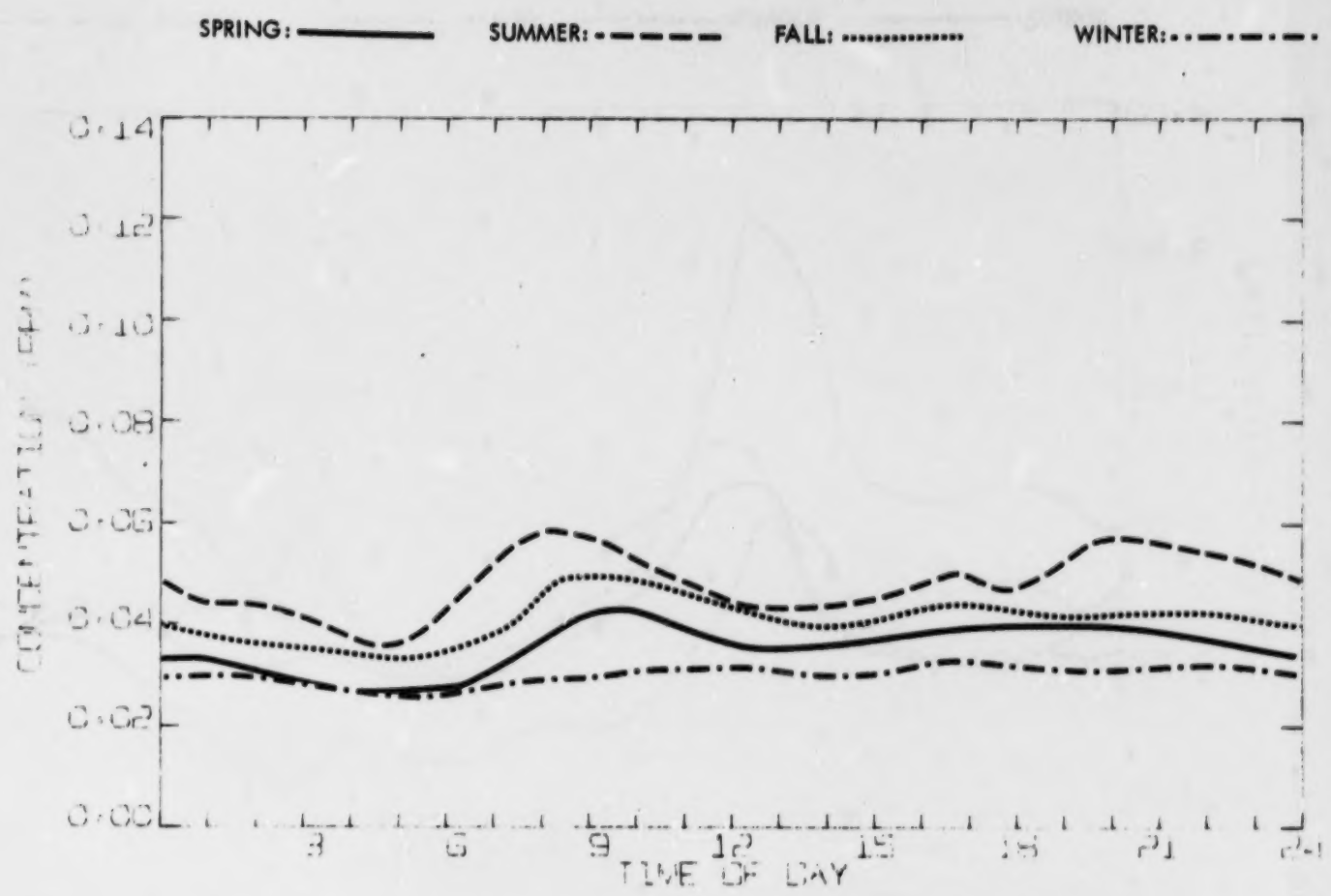


FIGURE 3. SEASONAL DIURNAL PATTERNS OF NITROGEN DIOXIDE CONCENTRATIONS

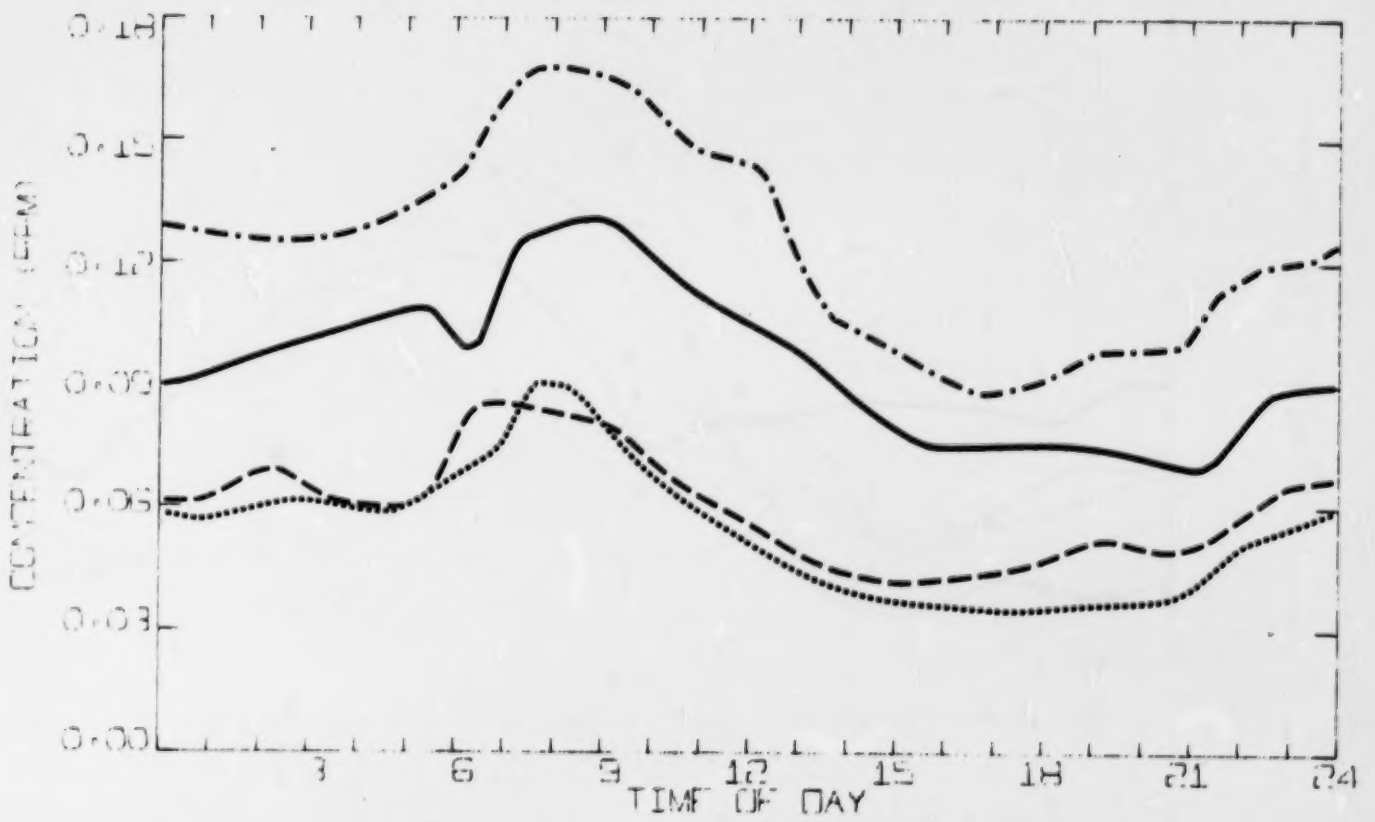


FIGURE 4. SEASONAL DIURNAL PATTERNS OF SULFUR DIOXIDE CONCENTRATIONS

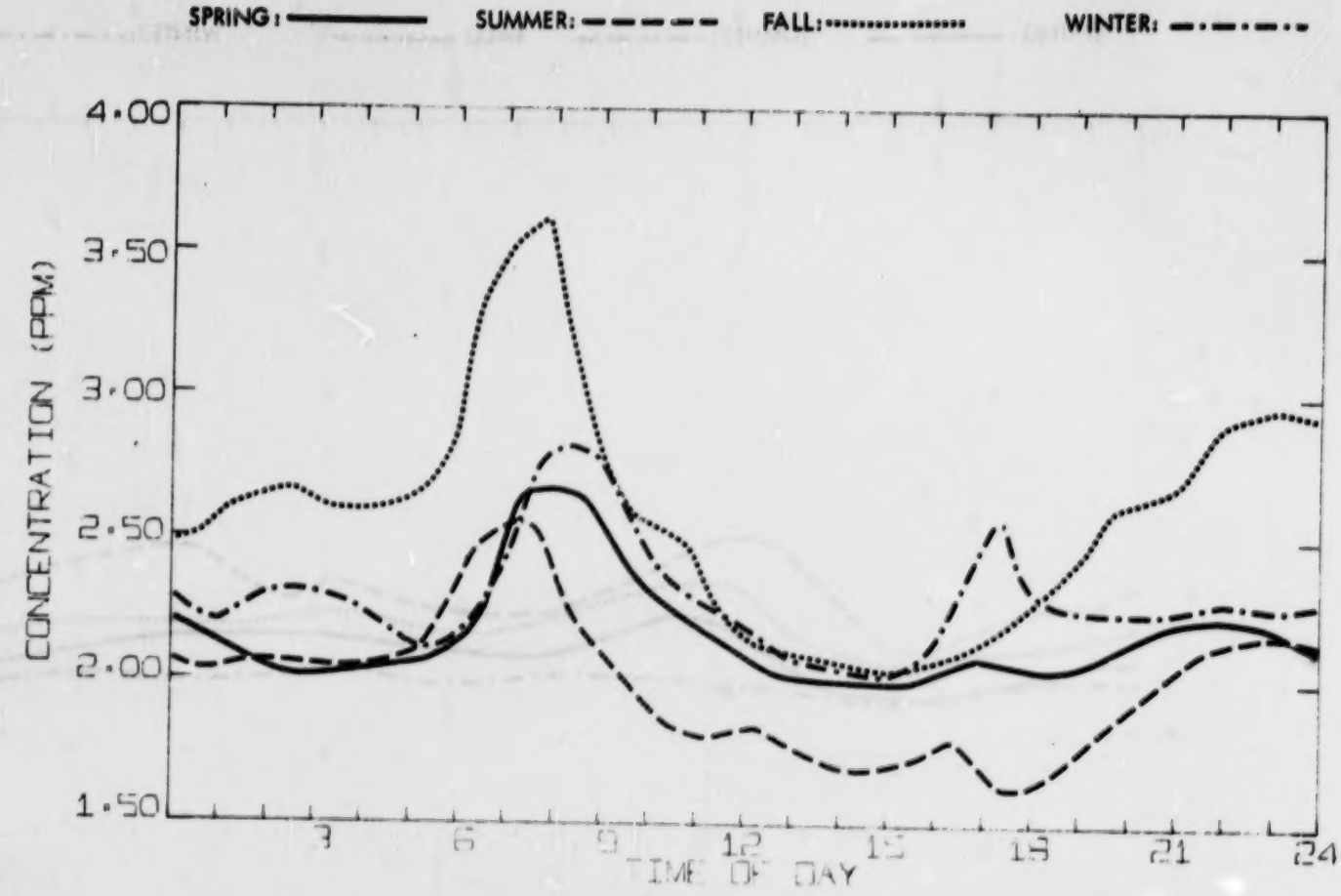


FIGURE 5. SEASONAL DIURNAL PATTERNS OF HYDROCARBON CONCENTRATIONS

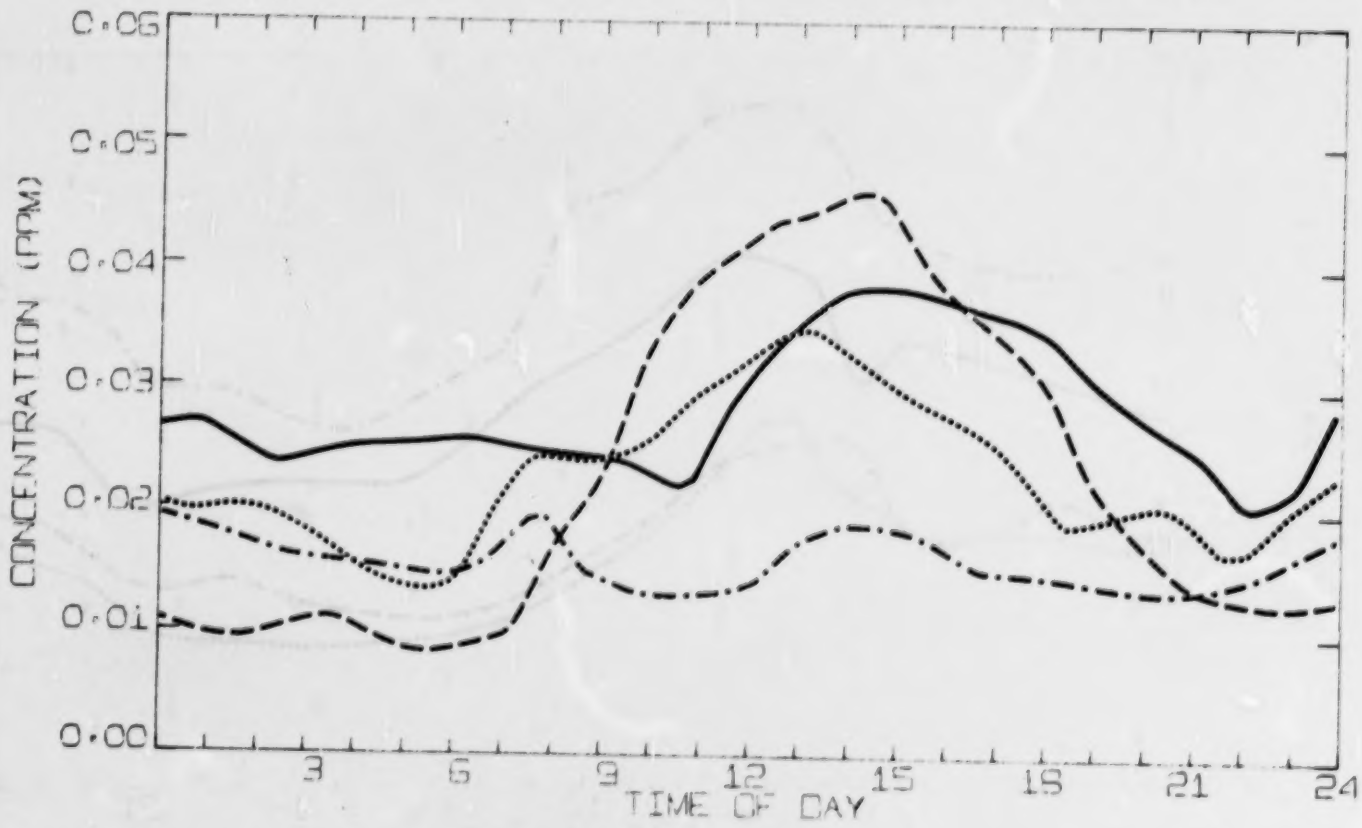
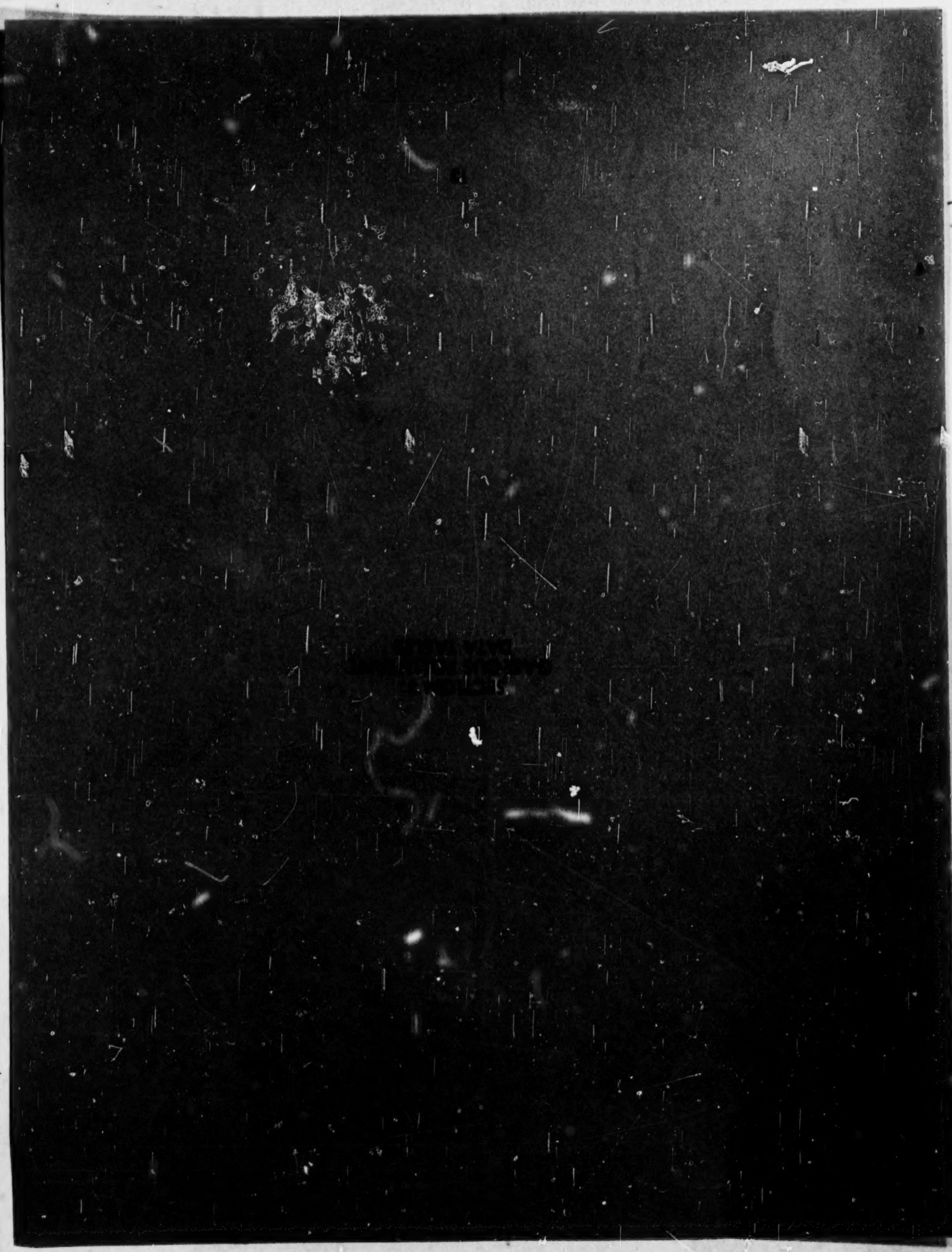


FIGURE 6. SEASONAL DIURNAL PATTERNS OF TOTAL OXIDANT CONCENTRATIONS



GASEOUS POLLUTANT DATA TABLES

Data tables 3-1 through 3-72 present hourly average concentrations by month for the gaseous pollutants. Values in these tables are the arithmetic means of the 5-minute values in the clock hour indicated. An hourly average is not calculated if fewer than seven 5-minute values during the hour were valid. Similarly, if a calendar day had fewer than 13 valid data hours, it is considered an invalid data day, and the entire row of averages for the day is deleted. The reason for this procedure, which results in the loss of a few valid hourly averages, is that the data that are lost are usually concentrated at the beginning or end of the day. Since the pollutant concentrations show considerable diurnal variation, the inclusion of such data would introduce a definite bias into the monthly mean concentrations.

The first summay line (titled MEAN) at the bottom of the tables contains the arithmetic means of the hourly averages, and hence represents the pattern of diurnal variation for the month. Again by the same validity criterion, this average is not calculated unless 16 or more hourly averages are present. The second and third summary lines are the number of and maximum of the hourly averages in the column.

The first summary column (titled DAILY MEAN) at the right of the tables is the arithmetic mean* of the 13 or more hourly averages comprising the row, and the second is the number of such valid hourly averages. The third summary column, however, is not the maximum hourly average for the day, but the maximum 5-minute value included in the hours of valid data during the day.

Four summay figures appear in the lower right corner. The upper left is the monthly average, an arithmetic mean, and appears only if 16 or more days were valid. The center number is the total number of valid hours included in the table, which offers some basis for judging the representativeness of the monthly average. The lower left summary number is the maximum daily average from the column above. The lower right number is the maximum 5-minute value from the column above.

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*The summary calculations are performed before the fourly averages are rounded.

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-1

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF OBS.	5-MIN. MAX.
1	3	3	4	3	3	3	3	2	2	2	1	4	4	4	2	2	3	2	2	2	2	3	1	1	2.5	24	8
2	0	0	0	0	1	1	2	5	4	5	4	5	7	9	9	11	11	18	10	9	9	9	9	10	6.1	24	24
3	9	8	7	7	7	7	8	10	14	19	13	10	10	11			9	14	8	9	9	11	8	9	9.8	22	38
4	10	8	6	6	6	8	8	13	10	10	13	12	11	8	8	7	7	8		3	2	4	3	3	7.6	22	20
5	3	4	2	2	3	4	4	6	6			4	8	7	6	5	9	10	6	4	5	4	4	6	5.2	22	17
6*	6	6	6	5	5	5	5	6	8	9	8	9	10	8	8	4	5	4	5	4	4	5	5	5	5.9	24	15
7*	6	7	5	4	4	3	3	3	2	2	2	3	2	2				2	2	2	2	2	1	1	2.8	22	8
8	0	1	0	0	1	0	1	3										5	6	5	5	3	1	3	2.2	15	11
9	2	2	3	2	2	3	4	5	4	8	8	10	13	12	10	9	11	10	6	4	4	4	4	7	6.1	24	22
10	6	5	4	3	3	4	5	7	7	7				7	7	8	9	12	10	9	8	8	6	6	6.6	22	17
11	7	7	6	6	6	7	7	7	7	10	8	9	6	7	7	7	7	11	8	6	6	5	5	5	6.8	24	20
12	5	5	3	2	2	3	5	6	7	9	8	8	8	9	8	8	9	11	8	7	7	6	6	6	6.5	24	15
13*	7	6	6	4	6	6	6	7	9	10	8	9	10	9	9		6	9	6	6	5	6	5	5	6.7	22	12
14*	4	4	4	3	4	4	3	5	3	4	4	5	4	4		7	8	8	8	7	5	5	4	5	4.7	22	10
15	5	4	4	4	3	4	5	5	6	7	6	7	6	8	8	9	10	11	8	6	5	4	3	4	5.8	24	15
16	3	3	2	2	3	3	4	4	6	6	5					9	11	15	12	12	11	10	9	11	7.0	20	24
17	10	10	10	10	10	11	12	16	18	14	11	13	12	12	12	12	14	16	11	10	11	11	11	12	12.1	24	29
18	13	12	10	10	9	9	11	15	16	14	12	17	15	13	9	10		22	23	19	17	17	15	16	14.1	23	42
19	19	15	14	11	9	11	12	16	17	18	14	17	14	9	8			18	18	17	17	15	14	15	14.2	22	24
20*	17	14	14	13	14	13	14	14	16	16	14	12	11	11	10	11	12	13	12	19	17	15	14	15	13.6	24	21
21*	15	15	15	13	12	12	11	11	12	11	12	13	11	7	6	15	17	16	15	15	14	14	13	12	12.7	24	20
22	10	11	9	9	10	11	12	15	16	19	17	12	9	9				17	16	15	12	12	12	13	12.6	21	24
23	12	11	11	11	12	12	13	14	12	16	12	14	16	17	17	19	24	24	17	11	9	9	8	9	13.7	24	41
24	8	7	6	5	6	6	7	9	10	9	10	12	11	11	11	9	9	11	7	6	5	6	6	6	8.0	24	17
25	7	5	5	5	6	6	5	8	8	8	9	10	7	9	7	4	3	6	2	2	1	1	1	2	5.2	24	13
26	1	1	0	0	0	2	1	4	6	5	4	6	5	5	5	6	10	13	7	6	8	10	6	7	4.9	24	37
27*	7	17	16	11	12	3	4	4	7	6	5	6	1	1	2	3	8	11	12	13	15	21	28	32	10.1	24	37
28*	29	25	25	9	11	10	8	8	6	9	9	11	11	11	10		12	16	15	14	11	10	12	11	12.6	23	38
29	8	8	8	8	8	8	10	14	16	16	13	12	11	7	4	5.	8	14	14	13	12	12	11	12	10.5	24	19
30	11	9	9	10	10	11	13	16	20	19	11	3	2	7	6	9	9	11	12	12	10	7	7	9	10.1	24	24
31	10			7	8	10	12	13	12	12	13	12	12	10			9	18	17	12	12	11	10	9	11.3	20	21
MEAN	8	8	7	6	6	6	7	9	10	10	9	9	9	8	8	8	10	12	10	9	8	8	8	9	8.4		
NO	31	30	30	31	31	31	31	31	30	29	28	28	28	29	24	23	26	31	30	31	31	31	31	31		701	
MAX	29	25	25	13	14	13	14	16	20	19	17	17	16	17	17	19	24	24	23	19	17	21	28	32	14.2		42

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-2

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	10	9	8	8	7	9	10	13	13	10	12	11	11			9	13	19	12	8	7	7	9	10	10.2	22	27
2	10	9	8	8	7	9	10	13	12	8	2	1	1	2	2	4	4	8	11	12	10	8	6	10	7.3	24	15
3@	8	7	5	4	4	5	7	7	8	9	11	13	13	12	12	12	13	15	13	12	12	11	11	12	9.8	24	16
4@	10	9	6	8	7	7	7	7	8	10	11	11	12	14	15										9.4	15	17
5																											
6	15	13	13	11	13	13	14	18	16	17	15	10	10	14	16	16	18	20	25	28	26	27	28	29	17.6	24	49
7	35	32	24	21	20	21	24	26	24	21	22	20	19	16				19	15	11	10	9	8	9	19.4	21	40
8	9	9	8	8	8	8	9	12	11	10	6	6	5	4	3	5	10	10	7	6	5	4	5	8	7.3	24	15
9	7	6	5	5	5	5	8	12	10	11	10	6	2	2	3	2	4	13	11	10	9	7	8	7	7.0	24	19
10@																											
11@																											
12																											
13	1	0	1	0	1	2	2	4	5	6	3	5	6	7	7	6	6	8	4	2	3	3	4	5	3.7	24	12
14	5	4	4	4	4	5	5	8				9	7	7	4	4	7	11	7	6	5	5	4	4	5.6	21	16
15	4	1	1	1	1	1	3	5	6	6	0	0	3	0	0	2	4	5	7	5	3	3	3	4	2.9	24	9
16	4	3	2	1	0	1	3	5	7	7	7	3	4	4	3	2	4	12	8	7					4.4	20	17
17@																											
18@	2	2	1	1	0	1	1	1	2	3	3	4	7	8	9	10	11	9	8	8	7	7	6	7	4.8	24	16
19	5	5	4	4	5	5	6	10	9	7	6	7	10	5	5	7	10	14	10	9	8	8	6	7	7.1	24	27
20	6	6	5	5	6	7	8	11	11	10	9	11	9	9	9	8	9	12	8	7	8	6	6	6	7.9	24	17
21	6	5	5	5	6	7	8	10	10				8	11	11	14	15	15	10	9	9	9	10	10	9.1	21	23
22	9	8	9	8	8	9	10	11	12	14	16	17	14	15	18	18	14	16	13	13	12	10	12	12	12.4	24	19
23	12	11	12	11	11	12	13	15	17	17	15	11	11	9	9	9	8	12	16	16	14	11	11	13	12.3	24	21
24@	11	10	8	8	9	9	9	9	12	14	14	16	17	9	7	6	8	13	13	12	12	11	8	7	10.5	24	18
25@	7	6	5	7	6	6	6	8	9	9	9	8	6			7	9	15	15	16	15	14	10	10	9.2	22	22
26	9	11	12	10	8	9	9	11	14	15	6	5	4	4	5	7	6	12	16	20	18	15	11	17	10.6	24	25
27																											
28																											
29	24	22	18	18	18	18	19	22	22	20	10	10	9	11	8	16	20	26	17	16	15	14	13	15	16.7	24	32
MEAN	10	8	7	7	7	8	9	11	11	11	9	9	9	8	8	8	10	13	12	11	10	9	9	10	9.3		
NO	22	22	22	22	22	22	22	22	21	20	20	21	22	20	19	20	20	21	21	21	20	20	20	20		502	
MAX	35	32	24	21	20	21	24	26	24	21	22	20	19	16	18	18	20	26	25	28	26	27	28	29	19.4		49

@ Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-3

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	9-HRS. MAX.
1	16		14	13	12	14	15	15	15	18	19	17	15	15	13	8	13	21	18	16	13	14	14	15	14.8	22	25
2*	16	18	16	14	13	14	16	20	21	21	21	17	16	19	22	22	24	19	18	18	20	16	18	17	18.1	24	27
3*	14	12	9	10	10	12	11	12	19	20	17	19	20	19	20	18	15	13	13	14	17	15	13	10	14.7	24	24
4	9	9	12	10	13	16	17	20	22		13	10	7			7	10	12	11	16	16	14	13	14	12.8	23	24
5	14	13	11	10	11	11	14	17	14	6	5	6	8	11	9	12	10	18	19	24	23	22	20	18	13.6	24	37
6	17	16	16	16	16	14	17	17	17			7	9	12	12	11	12	18	21	25	24	24	17	21	16.3	22	31
7	18	17	16	15	15	16	17	21	20	15	10	12	14	17	20	15	13	16	14	23	28	29	26	28	18.0	24	32
8	35	32	20	19	19	19	20	24	27	21	14	15	15	16	18	18	15	18	17	16	18	15	21	25	19.8	24	40
9*	24	26	24	24	25	22	22	23	24	25	21	23	21	16	16	13	14	18	15	18	24	25	26	25	21.5	24	29
10*	27	25	24	20	33	29	26	25	26	25	22	21	20	21	23	22	21	22	22	23	22	20	20	22	23.3	24	36
11	18	16	14	13	13	14	15	19	20	14	9	10	12	12	12	11	12	13	12	17	18	16	16	14	14.0	24	25
12	13	12	11	13	13	15	15	18	19		6	9	5	5	7	6	9	18	10	8	9	7	7	12	10.7	23	40
13	17	17	14	9	9	7	9	12	10	8	9	8	12	9	5			6	4	5	3	4	4	5	8.4	22	20
14	5	4	4	5	7	7	7	11	13	8	3	5	7	11	8	6	7	11	8	12	12	11	10	12	8.0	24	15
15	9	9	8	7	7	8	9	9	9	5	3	5	6	3	2	2	2	5	0	3	7	6	6	8	5.7	23	19
16*	7	6	5	5	5	6	7	7	8	9	5	3	0	0	1		7	9	9	8	8	8	14	16	6.5	23	17
17*	14	13	12	11	10	7	5	6	6	5	9	10	9	9	9	7	12	12	11	11	9	9	8	8	9.2	24	15
18	8	7	8	7	6	8	8	10	12	12	9	9	6	4	3	4	3	7	11	10	10	10	10	11	8.0	24	14
19																											
20	12	11	8	7	8	8	11	14	12			4	6	6	6	3	2	5	5	2	1	0	0	1	5.9	23	17
21	2	8	4	5	5	6	6	12	13	4	3	2	4	5	5	3	7	16	13	8	4	2	0	0	5.6	24	21
22	2	1			2	2	3	6	6	1	0	0	0	0	2	1	1	3							1.8	16	11
23*	7	7	7	4						0			0	0	0	0	5	5	6	6	5	5	4	3	3.7	17	8
24*	3									4	5	5			4	6	7	6	5	10	14	13	11	10	7.4	14	15
25	10	8	7	7	7	9	9	13	12	6	3	6	6	6	6	5	6	7	6	5	9	10	9	10	7.5	24	15
26	9	7	8	7	7	7	9	11	8	3	1	1	2	3	3	2	3	6	5	3	3	7	9	10	5.5	24	12
27	8	6	7	6	7	6	8	11	3			8	8	9	11	13	13	15	15	16	12	10	7	10	9.4	23	24
28	10	9	8	8	8	11	19	23	28	21	12	10	10	9	10	11	10	14	11	11	11	11	17	16	12.9	24	34
29	15	12	11	10	9	11	13	22	31		7	8	6	8	7	7	6	8	6	6	6	7	8	8	10.2	23	37
30*	12	9	7	7	8	8	8	10	10	10	9	8	10	13	14	11	10	10	11	14	17	14	12	10	10.4	24	21
31*																											
MEAN	13	12	11	10	11	11	12	15	16	11	9	9	9	10	9	9	10	12	11	12	13	12	12	13	11.4		
NO.	29	27	27	27	27	27	27	27	27	23	25	28	28	27	28	27	28	29	28	28	28	28	28	28		656	
MAX.	35	32	24	24	33	29	26	25	31	25	22	23	21	21	23	22	24	22	22	25	28	29	26	28	23.3		40

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-4

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	4		2	1	2	2	3	4	4	2	0	0	0	1	2	2	2	1	1	1	0	0	0	1	1.5	23	6
2	1	2	3	2	2	0	4	6	5	6	5	5	7	8	9	8	7	8	5	7	6	6	5	7	5.1	24	15
3	8	7	6	6	7	6	7	10	7			6	7	7	9	10	10	11	10	9	10	9	8	5	7.9	22	18
4	6	8	8	8	8	8	9	11	10	8	6	7	8	7	6	6	7	8	5	3	3	4	3	4	6.6	24	13
5	4	3	2	3	3	3	4	6	7	6	4	5	4	7	5	4	2	3	3	6	2	4	5	2	4.0	24	9
6*																											
7*																											
8		3	5	5	5		8	8					4	7	7	6	2	11	6	4	4	3	2	3	5.0	18	21
9	4	3	3	2	2	3	6	8	7	8	11	11	15	15	17	17	16	14	11	7	7	7	7	9	8.6	24	20
10																											
11																											
12		13	10	10	13	14	15	15	14	15	16	17	22	26	29	33	34	24	19	17	15	16	17	18	18.4	23	37
13*																											
14*																											
15		6	6	7	7	7	8	10	9		8	10	7	8	8	8	8	10	12	12	12	12	12	12	9.1	22	15
16																											
17																											
18	11	11	10	9	9	9	11	15	13	12	10	10	10	11	11	10	13	15	10	11	10	10	11	11	10.9	24	22
19	11	10	9	8	8	8	9	12	14	14	10	10	9	12	12	12	12	14	9	9	8	9	8	12	10.4	24	22
20*																											
21*	6	6	6												3	4	5	4	4	6	6	6	5	4	4.8	13	8
22	4	4	4	4	5	5	6	8	9	8	6	7	6	6	5	5	7	11	7	7	7	6	6	6	6.1	24	16
23	5	4	4	4	4	5	6	7	7	6	4	4	4	5	5	5	6	9	6	6	5	6	5	7	5.4	24	13
24	6	6	6	6	7	7	9	13	14			7	7	6	6	7	7	10	7	7	6	6	6	8	7.4	22	18
25	7	5	5	4	4	4	5	7	8	6	7	7	7	6	6	7	7	9	6	6	5	6	6	6	6.1	24	11
26	7	6	5	4	5	5	6	8	7	6	5	6	6	5	7	7	5	8	5	5	6	4	4	6	5.7	24	10
27*	5	4	2	3	3	3	4	6	8	7	6	5	5	5	6	4	5	6	6	7	8	12	15	14	6.2	24	17
28*	8	8	7	6	5	5	4	5	6	6	5	5	5	5	6	6	6	6	7	7	9	8	8	9	6.3	24	13
29	9	11	9	7	6	6	11	11	8	7	5	4	5	6	6	7	8	7	7	6	6	6	6	6	7.1	24	15
30	5	5	5	7	9	14	12	12	10	7	5	5	7	5	5	7	7	7	7	8	6	5	8	8	7.3	24	17
MEAN	6	6	6	5	6	6	7	9	9	8	7	7	7	8	8	8	8	9	7	7	7	7	7	7	7.2		
NO.	18	20	21	20	20	19	20	20	19	16	17	19	20	20	21	21	21	21	21	21	21	21	21	21		479	
MAX.	11	13	10	10	13	14	15	15	14	15	16	17	22	26	29	33	34	24	19	17	15	16	17	18	18.4		37

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-5

CONTINUOUS AIR MONITOPING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	6	7	6	5	5	7	8	6			6	6	7	8	8	9	10	8	8	9	9	10	9	8	7.4	22	19
2	7	6	7	7	7	8	10	8	7	7	5	5	6	8	9	8	9	7	6	8	9	9	8	7	7.3	24	13
3	7	7	7	6	6	7	10	10	8	7	6	7	6	7	9	10	11	10	7	7	10	9	9	9	7.9	24	15
4*	8	7	7	5	6	6	8	7	8	6	6	6	6	5	5	6	5	3	4	5	4	5	4	4	5.6	24	11
5*	3	2	1	2	3	2	3	2	2	5	4	4	5			8	8	9	10	9	8	7	9	12	5.4	22	14
6	15	15	14	13	13	13	15	14	6	4	5	3	3	2	3	3	6	4	4	6	6	5	5	5	7.6	24	17
7	4	4	4	4	4	5	7	6	6	4	4	3	3	3	4	5	4	5	6	7	7	9	11	7	5.2	24	15
8	5	5	5	5	5	6	8	9			5	5	6	7	8	8	8	6	5	6	5	5	6	6	6.0	22	12
9	5	4	4	4	5	6	7	8	6	4	4	5	5	6	6	8	8	6	6	6	5	5	6	5	5.5	24	10
10	4	4	3	4	4	6	9	9	7	5	5	4	4	5	3	7	6	6	6	9	11	9	12	13	6.5	24	19
11*	9	5	5	4	5	6	7	7	7	5	4	5	3	4	3	4	5	5	6	6	5	4	4	4	5.0	24	13
12*												8	8	8	8	8	8	8	9	10	11	8	7	5	8.1	15	16
13	5	5	5	4	5	6	8	9	5	5	6	6	7	4	5	7	9	4	5	6	5	4	5	4	5.5	24	18
14																											
15																											
16	10	10	10	11	11	11	14	14	11	9	9	8	8	9	10	11	14	10	10	10	10	10	10	9	10.3	24	20
17	9	8	7	8	9	12	14	13	9				10	11	12	12	12	10	11	11	11	11	13	17	11.0	21	19
18*	16	10	13	15	15	12	9	10	10	8	9	9	9	9	9	11	11	10	10	9	10	11	10	10	10.6	24	22
19*	10	9	6	5	5	6	6	6	6	8	7	7	7	7			4	5	5	6	5	6	6	5	6.2	22	10
20	4	4	4	4	5	5	6	6	5	5	5	6	5	5	5	6	8	6	5	5	6	5	8	6	5.4	24	11
21	5	5	5	4	4	5	7	7	4	3	3	5	5	5	5	6	6	5	4	4	5	5	5	6	4.9	24	9
22	5	4	4	3	5	5	7	6				8	9	9	10	9	9	9	9	10	11	10	11	11	7.8	21	13
23	10	9	10	9	10	12	17	17	12	10	9	8	9	8	10	10	13	10	8	7	6	7	7	7	9.8	24	20
24																											
25*																											
26*																											
27	1	2	6	6	6	6	7	8	2	0	0	1	1	2	1	3	6	4	4	4	5	8	10	10	4.2	24	11
28	9	10	9	9	9	10	11	11	6	3	7	5	6	6	6	6	10	5	3	3	2	3	4	4	6.4	24	16
29	3	2	2	2	2	3	7	9	7					6	9	9	11	8	7	6	6	6	11	7	6.1	20	17
30	5	5	4	5	4	4	4	6	7	7	6	6	6	8	7	7	8	8	8	9	10	10	10	8	6.7	24	12
31	6	6	6	6	7	8	11	9	6	5	5	5	6	6	5	6	7	7	8	7	7	6	8	8	6.6	24	13
MEAN	7	6	6	6	6	7	9	9	7	5	5	6	6	6	7	7	8	7	7	7	7	7	8	7	6.8		
NO.	25	25	25	25	25	25	25	25	22	20	22	24	25	25	24	25	26	26	26	26	26	26	26	26		595	
MAX.	16	15	14	15	15	13	17	17	12	10	9	9	10	11	12	12	14	10	11	11	11	11	13	17	11.0		22

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-6

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1* 2* 3 4 5	8	9	9	9	10	11	14	16	14	12	12	13	11	12	10	13	15	12	11	11	11	12	12	11	11.5	24	18
6	6	7	5	5	5	6	7	7	6	5	6	5	6	8	10	9	10	8	5	6	6	6	8	7	6.5	24	13
7	4	3	4	4	4	5	7	5	3	3	5	7	8	8	11	10	11	7	7	6	5	4	5	3	5.7	24	13
8*	3	1	1	2	2	2	2	5	5	1	1	1	3	4	6	7	5	3							3.1	16	9
9*					0	0	0	1	0	1	0	2	3	4	6	5	4	4							2.8	20	7
10	1	1	0	1	0	1	3	5	5	4	5	5	5	4	3	3	6	3	5	5	5	5	4	3	3.0	24	8
11	3	5	4	3	3	4	9	9	3	4	8	4	4	6	5	7	10	4	5	4	4	4	4	4	4.9	24	21
12	3	4	4	3	3	2	4	3				6	10	14	16	14	16	13	8	7	8	7	4	3	7.2	21	21
13	2	1	1	2	2	4	5	8	6	7	8	5	4	6	5	5	4								4.3	17	11
14																											
15*																											
16*																											
17	7	6	5	3	3	4	7	6	5	4		3	3		3	2	12	4	3		3	3	2	7	4.4	21	20
18																											
19																											
20								6				6	8	8	10	10	12	11	10	10	11	11	12		9.7	13	14
21	16	18			19	20	21	17	14	8	7	9	9	8	8	9	10	12	11	10	12	12	15	15	12.7	22	23
22*	14	15	15	16	11	14	15	16		9	8	11	10	10	9	9	10	10	11			14		15	12.0	20	18
23*	14			12					10	7	6	8	8	9	10	9	8	8	9		16	16	13	13	10.3	17	20
24	15	16	17	11	14	13	14	13	7	6	6				5	7	11	12	12	12	10	8	5	4	10.4	21	18
25	3	3	3	3	4	5	8	12	10	5	7	8	11	10	10	10	8	7	7	10	9	9	10	9	7.5	24	15
26	9	8	8	7	9	10	12	9	7	4	5	6	8	8	9	8	12	10	9	8	8	8	6	6	8.0	24	19
27	5	6	6	6	6	7	9	9	7			6	6	7	7	8	12	8	8	7	6	6	6	6	6.9	22	18
28	4	5	5	4	4	5	8	9	7	6	7	5	5	4	5	6	7	5	5	6	5	6	8	8	5.7	24	11
29*	7	7	6	7	6	5	7	6	6	4	4	4	5	5	4	5	6	6	7	8	9	9	10	8	6.4	24	11
30*	7	6	6	6	5	6	7	6	7	8	5	5	6	7	7	8	8	8	7	10	11	10	9	8	7.2	24	13
MEAN	7	7	6	6	6	6	8	8	7	5	6	6	7	7	7	8	9	8	8	8	8	8	8	7	7.1		
NO	19	18	17	18	19	19	19	20	18	18	17	20	20	19	21	21	21	20	19	16	18	19	18	18		452	
MAX	16	18	17	16	19	20	21	17	14	12	12	13	11	14	16	14	16	13	12	12	16	16	15	15	12.7		23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-7

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
JULY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	6	7	6	7	7	8	9	8	5	3	4	5	6			6	8	6	8	8	8	8	10	9	4.9	23	11
2	7	6	6	6	6	9	11	9	7	4	6	6	7	8	9	11	12	9	9	9	9	8	9	10	8.0	24	16
3	8	8	7	8	8	9	12	9	8	5	7	7	6	6	5	7	7	7	6	6	6	6	8	8	7.1	24	15
4	7	7	7	8	8	8	8	8	8	9	9	9	8	9	8	9	9	8	10	10	10	10	9	10	8.4	24	11
5	8	12	11	10	8	10	11	11	9	7		5	7	8	9	9	10	8	9	8	8	8	9	8	8.8	23	17
6*	8	8	7	7	8	7	9	8	6	6	7	6	5	6	6	5	6	7	7	8	7	8	8	8	7.0	24	10
7*	6	5	5	5	4	5	5	5	4	5	4	5	6	5	7	6	7	6	6	7	7	7	5	6	5.4	24	15
8	5	4	5	5	6	8	9	7	6	5	6	6	6			5	6	6	7	7	7	6	5	5	5.9	22	10
9	5	5	5	4	4	5	8	6	6	6	4	3	4	5	7	8	7	6	6	8	7	7	8	8	5.7	24	10
10	7	7	7	8	10	11	12	11	9	8	9	9	9	10	10	11	13	10	10	12	12	15	14	13	10.2	24	19
11	12	11	11	11	10	12	12	15	13	13					9	9	12	11	11	13	12	12	12	13	11.7	20	20
12																											
13*																											
14*																											
15																											
16	9	9	8	9	9	9	11	11	10	8	8	7	7	8	9	9	10	9	13	8	10	12	9	10	8.7	19	13
17	7	9	7	7	8	8	10	9	7	7	9	10	11	12	11	11	16	10	13	14	14	12	9	10	10.0	24	20
18	11	11	9	7	10	9	12	14	11			6	9	10	13	14	14	11	10	7	7	5	4	9	9.6	22	19
19	10	10	9	10	9	10	11	9	8	6	7	8	9	9	9	10	11	7	5	9	9	11	12	9	9.0	24	15
20*	7	6	5	5	5	5	6	6	5	6	8	5	4	5	6	6	6	7	9	9	9	8	7	8	6.3	24	10
21*	6	6	5	5	5	6	6	7	6	6	9	7	5	7	7	8	8	9	7	9	11	10	9	7	7.1	24	12
22	6	7	8	7	8	10	11	10	9	7	5	8				5	7	7	5	4	3	5	7	6	6.8	21	12
23	3	3	3	3	3	4	8	6	4	3	3	4	11	14	13	10	9	7	5				8	7	6.3	21	16
24	8	6	5	6	6	6	8	10	10	3	4	4	8	7	5	5	11	7	6	14	11	9	8	10	7.3	24	19
25	9	9	9	9	9	10	12	11	6	5						10	12	11	11	11	12	12	12	14	10.2	19	18
26	13	12	11	12	12	13	15	15	10	10	10	11	12	12	11	12	13	12	13	12	13	15	16	16	12.5	24	18
27*	16	16	16	16	15	16	12	8							7	8	9	9	8	8	9	10	10	10	11.2	18	18
28*	9	8	8	8	9	7	8	7	8	8	11	11	10	8	8	10	8	8	8	8	9	8	9	8	8.5	24	17
29	9	8	7	8	10	11	12	10	7	4	4				9	9	11	10	11	12	12	14	15	17	10.0	21	19
30	14	12	11	12	12	14	17	14	12	13				12	11	12	17	14	13						13.1	16	21
31																											
MEAN	8	8	8	8	8	9	10	9	8	6	7	7	8	8	9	9	10	8	8	9	9	9	9	9	8.4		
NO.	26	26	26	26	26	26	26	26	25	24	20	21	20	19	22	26	25	26	25	24	24	23	24	24		580	
MAX.	16	16	16	16	15	16	17	15	13	13	11	11	12	14	13	14	17	14	13	14	14	15	16	17	13.1		21

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-8

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1		11	10	11	12	12	13	11	7	8				7	9	9	11	13	14	10	8	7	10	11	10.1	20	21
2	9	7	8	8	10	8	12	13	12	8	11	10	12	12	9	11	12	9	7	7	10	12	13	16	10.3	24	17
3*	16	14	11	13	13	9	9	10	7	5	6	7	8	5	6	7	8	7	7	8	9	9	12	14	9.2	24	16
4*	13	12	9	12	12	12	11	13	12	11	12	12	11	12	12	9	9	8	7	9	10	10	9	10	10.7	24	14
5	8	6	6	6	7	8	10	9		4	5	6					17	14	16	13	12	13	13	16	10.0	19	21
6																											
7																											
8		8	7	7	9	10	12										8	7	7	10	15	15	13	11	9.8	14	20
9	10	11	11	12	12	13	15	10	5	5	6	5	5	4	5	6	9	8	8	9	9	11	11	13	8.8	24	17
10*																											
11*		8	8	7	8	8	7	6	8	9	7	9	11		19	19	18	16	17	19	20	21	25		12.8	21	26
12																											
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27																											
28																											
29																											
30																											
31*																											
MEAN	5	8	8	8	8	8	8	7	6	6	6	6	5	5	6	6	8	8	8	8	8	8	8	7		170	
NO.	16	14	11	13	13	13	15	13	12	11	12	12	12	12	19	19	18	16	17	19	20	21	25	16	12.8		26
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-9

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
MEAN																									0.0		
NO.																											0
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-10

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1																											
2																											
3																											
4																											
5*																											
6*																											
7																											
8																											
9																											
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23																											
24																											
25																											
26*																											
27*																											
28																											
29																											
30																											
31																											
MEAN																									0.0		
NO																											
MAX																											0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-11

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CARBON MONOXIDE
NOV. 1968

CONCENTRATION IN PPM
INFRARED ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2*																											
3*																											
4																											
5																											
6																											
7																											
8																											
9*																											
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22																											
23*																											
24*																											
25																											
26																											
27																											
28																											
29																											
30*																											
MEAN																									0.0		0
NO.																											
MAX																											

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

Table 3-12

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

PHILADELPHIA, PA.

CARBON MONOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13																											
14*																											
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16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN																											
NO.																											
MAX																									0.0		0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-13

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.04	.04	.04	.04	.04	.04	.03	.02	.02	.01	.01	.01	.02	.02											.027	14	.06
2																											
3	.22	.21	.20	.20	.18	.17	.18	.20	.26	.35	.22	.12	.13	.14			.01	.07	.08	.13	.14	.19	.16	.10	.169	22	.37
4	.11	.14	.10	.08	.07	.08	.08	.14	.17	.15	.20	.21	.22	.19			.08	.07	.05	.03	.02	.02	.02	.02	.099	22	.24
5	.01	.01	.01	.01	.00	.00	.02	.06	.06	.05	.05	.05	.05	.05			.06	.10	.09	.08	.08	.08	.07	.06	.048	22	.12
6*	.08	.11	.15	.12	.13	.09	.09	.13	.15	.22	.16	.17	.19	.13			.06	.05	.04	.04	.06	.04	.06	.09	.107	22	.24
7*	.11	.21	.19	.17	.13	.08	.05	.04	.03	.02	.02	.02	.02	.02			.03	.03	.03	.04	.05	.04	.03	.02	.063	23	.22
8	.02	.02	.02	.02	.01	.02	.03	.05	.09	.07	.06	.05	.05	.06			.07	.09	.10	.05	.05	.04	.03	.02	.045	22	.12
9	.01	.01	.01	.00	.00	.01	.02	.04	.06	.07	.08	.08	.09	.14			.11	.09	.07	.06	.06	.08	.10	.10	.057	22	.15
10	.08	.05	.03	.04	.04	.05	.06	.14	.14			.05	.04				.07	.08	.10	.09	.06	.03	.03	.02	.061	19	.19
11	.02	.02	.02	.01	.00	.01	.01	.04	.07	.08	.06	.05	.05	.05		.06	.07	.10	.08	.07	.06	.06	.06	.06	.047	23	.10
12	.05	.06	.04	.03	.02	.03	.04	.08	.10	.13	.09	.09	.07	.06			.11	.13	.12	.12	.12	.09	.10	.09	.078	22	.17
13*	.08	.08	.06	.06	.07	.08	.09	.12	.15	.14	.12	.12	.12	.10			.06	.06	.04	.05	.04	.05	.05	.06	.082	22	.16
14*	.04	.03	.03	.02	.01	.02	.01	.01	.01	.02	.02	.02	.03	.04		.05	.04	.05	.09	.09	.02	.03	.02	.03	.031	23	.11
15	.06	.04	.01	.01	.01	.01	.04	.03	.05	.08	.08	.07	.08	.08		.07	.06	.06	.05	.05	.04	.02	.02	.01	.044	23	.11
16	.01	.01	.00	.00	.00	.00	.01	.04	.06	.05	.04	.04	.02	.02		.04	.05	.08	.07	.07	.04	.03	.03	.03	.032	23	.11
17	.03	.03	.03	.03	.04	.04	.06	.09	.18	.15	.09	.10	.09	.06				.12	.13	.12	.13	.12	.13	.10	.087	21	.20
18	.14	.11	.12	.13	.09	.09	.10	.18	.21	.19	.19	.19	.19	.14			.16	.21	.27	.27	.25	.26	.21	.24	.178	22	.30
19	.31	.29	.29	.20	.16	.17	.19	.25	.26	.25	.22	.23	.18	.07			.10	.11	.11	.09	.11	.11	.13	.09	.178	22	.38
20*	.09	.06	.06	.09	.08	.08	.07	.11	.14	.15	.11	.05	.04	.04		.04	.05	.07	.10	.12	.11	.13	.13	.15	.089	23	.18
21*	.17	.18	.19	.21	.17	.13	.15	.20	.16	.10	.06	.04	.03	.03		.04	.04	.06	.07	.10	.09	.10	.10	.08	.109	23	.25
22	.07	.05	.04	.02	.02	.02	.02	.07	.14	.13	.13	.14	.12	.06			.07	.08	.06	.07	.05	.04	.05	.03	.068	22	.17
23	.04	.02	.04	.04	.04	.02	.04	.08	.07	.08	.10	.13	.10	.09		.14	.14	.19	.18	.13	.08	.07	.04	.03	.082	23	.22
24	.02	.01	.01	.00	.00	.00	.01	.03	.05	.04	.04	.05	.05	.04			.15	.07	.05	.04	.02	.01	.01	.00	.031	22	.21
25	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.03	.03	.03	.03		.05	.06	.06	.04	.05	.04	.03	.03	.05	.025	23	.07
26	.03	.02	.02	.02	.01	.02	.02	.07	.12	.09	.05	.06	.05	.04		.08	.08	.12	.15	.15	.26	.34	.28	.27	.101	23	.41
27*	.20	.45	.86	.75	.65	.34	.18	.18	.18	.19	.12	.10	.08	.07		.08	.10	.12	.14	.27	.30	.72	.93	1.42	.366	23	1.68
28*	1.36	1.18	1.30	.65	.44	.44	.28	.29	.26	.17	.13	.15	.11	.10		.12	.12	.14	.20	.24	.22	.20	.21	.21	.370	23	1.51
29	.12	.09	.08	.08	.07	.08	.11	.18	.23	.21	.16	.12	.11	.10		.06	.10	.12	.07	.05	.06	.05	.04	.06	.101	23	.24
30	.05	.05	.04	.03	.03	.04	.07	.11	.22	.26	.18	.14	.13	.15		.16	.17	.16	.13	.08	.07	.05	.05	.04	.103	23	.28
31	.03	.02	.02	.01	.02	.02	.03	.06	.08	.07	.07	.10	.07	.06			.07	.08	.05	.05	.05	.05	.04	.04	.048	22	.11
MEAN	.12	.12	.13	.10	.08	.07	.07	.10	.12	.12	.10	.09	.08	.07			.08	.09	.09	.10	.09	.10	.11	.12	.099		
NO.	30	30	30	30	30	30	30	30	30	29	29	30	30	29		13	28	29	29	29	29	29	29	29		661	
MAX.	1.36	1.18	1.30	.75	.65	.44	.28	.29	.26	.35	.22	.23	.22	.15		.16	.17	.21	.27	.27	.30	.72	.93	1.42	.370		1.68

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-14

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.03	.02	.02	.02	.02	.02	.03	.06	.13	.12	.10	.08	.07	.07			.08	.09	.09	.07	.07	.08	.10	.12	.067	22	.16
2	.11	.10	.11	.09	.12	.13	.17	.17	.13	.08	.05	.04	.03	.03				.10	.11	.13	.13	.09	.09	.11	.100	21	.20
3*																											
4*																											
5		.06	.07	.11	.12	.13	.12	.15	.16				.04	.04		.05	.06	.09	.10	.10	.10	.10	.08	.07	.091	19	.19
6	.08	.08	.10	.07	.06	.04	.07	.12	.10	.08	.05	.05	.04	.04		.05	.06	.07	.09	.13	.12	.16	.27	.31	.096	23	.40
7	.61	.77	.54	.29	.22	.14	.29	.30	.22	.11	.08	.07	.07	.07			.06	.07	.04	.04	.03	.03	.02	.02	.185	22	.80
8	.02	.02	.02	.02	.02	.02	.03	.06	.08	.08	.07	.07	.06	.06			.04	.05	.04	.04	.03	.02	.03	.02	.041	22	.08
9	.02	.02	.03	.03	.02	.04	.09	.12	.12	.09	.06	.05	.04	.03				.07	.05	.04	.04	.04	.04	.05	.051	21	.15
10*	.05	.04	.02	.01	.01	.01	.01	.02	.03	.03	.03	.03	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.031	23	.06
11*	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03		.04	.04	.04	.04	.05	.06	.06	.05	.06	.034	23	.07
12	.06	.05	.04	.05	.04	.04	.05	.07	.07	.06	.05	.05	.04	.05			.07	.07	.06	.06	.05	.05	.05	.04	.053	22	.09
13	.04	.04	.03	.03	.03	.03	.06	.08	.09	.07	.05	.03	.03	.03		.04	.05	.06	.06	.04	.04	.03	.03	.03	.045	23	.11
14	.03	.03	.02	.01	.01	.02	.04	.07	.08	.06	.06	.05	.04	.03			.03	.03	.03	.03	.04	.05	.06	.05	.039	22	.10
15	.07	.05	.05	.03	.03	.03	.05	.08	.10	.06	.04	.04	.03	.03			.05	.05	.05	.04	.03	.03	.03	.03	.044	22	.12
16	.03	.02	.01	.01	.00	.01	.02	.05	.11	.09	.05	.04	.04	.05		.04	.05	.07	.10	.07	.07	.15	.16	.14	.060	23	.18
17*	.15	.15	.14	.11	.10	.13	.12	.16	.13	.14	.09	.10	.05	.04		.03	.03	.03	.03	.03	.05	.05	.04	.04	.084	23	.20
18*	.04	.03	.03	.02	.03	.02	.02	.03	.03	.03	.02	.02	.02				.03	.03	.03	.04	.04	.04	.04	.03	.029	21	.05
19	.04	.03	.04	.04	.02	.02	.03	.06	.07	.04	.04	.03	.03	.02		.03	.04	.05	.06	.06	.06	.06	.05	.04	.041	23	.08
20	.03	.02	.01	.01	.01	.02	.04	.09	.12	.06	.04	.04	.04	.04		.04	.05	.06	.04	.03	.02	.02	.01	.01	.036	23	.13
21	.01	.01	.00	.01	.00	.01	.02	.04	.05	.04	.04	.03	.03	.03			.04	.05	.04	.03	.04	.04	.04	.03	.028	22	.06
22	.02	.02	.01	.01	.02	.02	.02	.03	.04	.03	.03	.03	.02	.02			.03	.02	.02	.02	.02	.02	.02	.02	.022	22	.06
23	.02	.01	.01	.01	.01	.01	.01	.02	.03							.04	.05	.06	.07	.07	.09	.05	.04	.03	.035	18	.11
24*	.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.03	.03	.02	.02		.02	.02	.02	.02	.02	.02	.03	.02	.02	.018	23	.03
25*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.010	23	.02
26																											
27	.48	.59	.49	.45	.42	.38	.44	.50	.71	.77	.15	.09	.06	.05		.04	.05	.10	.16	.28	.31	.34	.20	.35	.147	14	.61
28	.08	.11	.10	.13	.14	.24	.22	.42	.32	.29	.22	.12	.06	.03			.04	.05	.05	.05	.02	.03	.05	.05	.269	22	1.09
29	.08	.07	.05	.04	.04	.03	.04	.10	.10					.09						.03	.02	.02	.03	.07	.139	19	.49
																	.04	.05	.03	.06	.03	.02	.02	.01	.050	18	.11
MEAN	.09	.09	.08	.06	.06	.06	.08	.11	.12	.10	.06	.05	.04	.04			.04	.05	.06	.06	.06	.06	.06	.07	.067		
NO	25	26	26	26	26	26	26	26	26	24	24	24	25	25		13	24	26	26	27	27	27	27	27		579	
MAX	.61	.77	.54	.45	.42	.38	.44	.50	.71	.77	.22	.12	.07	.09		.05	.08	.10	.16	.28	.31	.34	.27	.35	.269		1.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-15

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	9-AMM. MAX.
1									.02	.02	.02	.02	.02	.02			.03	.03	.03	.02	.02	.02	.03	.03	.023	16	.03
2*	.03	.03	.02	.02	.02	.02	.03	.05	.05	.05	.05	.05	.08	.08		.04	.04	.05	.04	.03	.06	.04	.03	.03	.040	23	.09
3*	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02		.02	.02	.03			.02	.03	.02	.02	.017	21	.04
4	.02	.02	.01	.01	.02	.02	.03	.08	.10	.07	.06	.04	.04	.03		.03	.04	.06	.06	.06	.05	.05	.04	.03	.041	23	.12
5	.03	.02	.02	.02	.02	.04	.06	.11	.10	.06	.05	.05	.04	.04		.04	.05	.06	.12	.10	.09	.09	.09	.08	.058	23	.14
6	.06	.07	.07	.08	.07	.06	.05	.09	.12	.09	.09	.07	.07	.08			.13	.06	.05	.04	.04	.05	.03	.02	.067	22	.19
7	.01	.01	.01	.00	.00	.00	.01	.03	.04							.02	.03	.05	.07	.10	.24	.31	.33	.42	.093	16	.51
8	.68	.80	.42	.15	.10	.12	.18	.20	.18	.14	.10	.08	.06	.04		.05	.05	.07	.08	.08	.17	.17	.18	.18	.186	23	.88
9*	.13	.14	.16	.11	.13	.09	.06	.08	.07	.10	.10	.14	.15	.17		.05	.15	.17	.15	.18	.21	.19	.16	.22	.134	-25	.25
10*	.21	.27	.26	.22	.56	.64	.52	.41	.39	.33	.24	.18	.18	.17			.11	.10	.10	.11	.11	.09	.08	.13	.245	23	.70
11	.16	.10	.05	.03	.02	.02	.02	.05	.07	.05	.03	.03	.02	.03					.11	.12	.10	.07	.06	.05	.058	20	.20
12	.04	.03	.03	.03	.06	.10	.07	.10	.12	.08	.09	.07	.07	.06		.09	.09	.10	.07	.06	.06	.07	.08	.12	.072	25	.17
13	.20	.27	.28	.20	.15	.10	.10	.13	.11	.10	.10	.05	.04	.04				.03	.02	.02	.02	.01	.02	.01	.095	21	.36
14	.01	.01	.00	.00	.00	.01	.02	.05	.06					.02		.03	.04	.05	.05	.04	.05	.05	.06	.07	.032	19	.07
15	.08	.08	.07	.05	.04	.05	.03	.06	.04	.03	.02	.02	.02	.02		.02	.02	.04	.02	.02	.03	.03	.04	.03	.038	25	.09
16*	.03	.02	.03	.02	.02	.03	.03	.03	.05	.07	.06	.04	.04	.03		.03	.02	.02	.02	.02	.02	.02	.03	.03	.031	25	.08
17*	.03	.04	.03	.02	.02	.03	.03	.04	.05	.06	.07	.05	.07	.05		.04	.04	.03	.03	.03	.02	.02	.02	.02	.036	25	.09
18	.02	.01	.01	.01	.01	.01	.01	.03	.05	.05	.04	.05	.05	.04			.04	.04	.03	.02	.02	.02	.03	.03	.028	22	.06
19	.02	.01	.01	.01	.01	.01	.02	.07	.07	.07	.04	.04	.04	.04		.04	.05	.05	.05	.05	.06	.09	.11	.12	.047	23	.17
20	.10	.11	.11	.10	.09	.09	.11	.14	.19	.17	.11	.04	.04	.04			.03	.01	.01	.00	.01	.01	.01	.02	.069	22	.22
21	.01	.02	.03	.05	.05	.06	.09	.16	.26	.24	.20	.18	.14	.13			.14	.17	.23	.26	.17	.15	.08	.05	.130	22	.34
22	.06	.06	.08	.09	.06	.02	.03	.06	.11					.10			.09	.10	.05	.06	.07	.06	.09	.08	.070	16	.14
23*	.08	.09	.09	.06	.02	.01	.01	.01	.01	.02	.03	.05	.04	.02		.04	.03	.03	.02	.02	.03	.02	.02	.02	.033	23	.10
24*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.02	.02	.02	.02	.02	.02	.03	.02	.02	.015	23	.03
25	.02	.02	.01	.01	.01	.01	.02	.04	.06	.05	.04	.03	.02	.03		.03	.03	.03	.05	.04	.04	.04	.04	.06	.031	23	.08
26	.06	.06	.05	.03	.02	.04	.04	.07	.06	.03	.02	.02	.01	.01		.01	.02	.04	.03	.02	.01	.01	.02	.02	.030	23	.10
27	.01	.01	.02	.05	.04	.02	.05	.10	.10	.08	.05	.03	.02	.02			.02	.02	.02	.08	.06	.07	.04	.04	.043	22	.14
28	.05	.06	.03	.02	.03	.11	.41	.31	.35	.25	.07	.02	.03	.03		.02	.02	.06	.04	.07	.13	.11	.18	.20	.112	23	.52
29	.18	.17	.14	.13	.13	.12	.18	.27	.39	.22	.07	.03	.02	.02		.03	.04	.07	.07	.03	.04	.04	.06	.06	.108	23	.44
30*	.05	.06	.02	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02	.02		.02	.02	.03	.05	.10	.12	.15	.14	.09	.043	23	.17
31*	.08	.08	.09	.09	.07	.04	.04	.05	.05	.04	.02	.01	.01	.01		.00	.01	.01	.01	.01	.01	.01	.01	.01	.032	23	.14
MEAN	.08	.09	.07	.05	.06	.06	.08	.09	.11	.09	.06	.05	.05	.05		.03	.05	.05	.06	.06	.07	.07	.07	.07	.067		
NO.	30	30	30	30	30	30	30	30	31	28	28	28	28	30		21	29	30	30	30	31	31	31	31		677	
MAX.	.68	.80	.42	.22	.56	.64	.52	.41	.39	.33	.24	.18	.18	.17		.09	.15	.17	.23	.26	.24	.31	.33	.42	.245		.88

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-16

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITRIC OXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02		.08	.07	.06	.07	.05	.03	.06	.05	.03	.02	.02	.02			.03	.03	.03	.02	.02	.03	.03	.04	.039	21	.12
2	.03	.01	.01	.01	.01	.03	.07	.10	.07	.05	.05	.03	.03	.03		.03	.03	.04	.05	.05	.06	.08	.12	.13	.048	23	.15
3	.11	.05	.06	.06	.10	.11	.10	.18	.14	.08	.05	.04	.03	.03			.02	.03	.04	.04	.05	.04	.03	.04	.065	22	.22
4	.02	.01	.02	.02	.01	.01	.01	.03	.07									.08	.09	.13	.07	.04	.05	.05	.043	16	.15
5	.04	.06	.06	.14	.10	.07	.07	.06	.07	.04	.03	.04	.03	.03			.04	.03	.03	.03	.03	.02	.02	.02	.048	22	.18
6*	.02	.01	.01	.00	.00	.00	.00	.01	.02	.02	.03	.04	.03	.02			.02	.05	.04	.02	.01	.02	.02	.03	.018	22	.06
7*	.02	.03	.06	.07	.04	.03	.05	.04	.04	.04	.03	.01	.01	.01		.01	.01	.01	.00	.01	.01	.01	.01	.01	.025	23	.08
8	.02	.01	.01	.01	.01	.01	.02	.04	.04	.05	.03	.02	.03	.08		.08	.12	.09	.09	.12	.12	.06	.09	.11	.055	23	.17
9	.11	.10	.10	.10	.09	.11	.09	.10	.06	.05	.03	.03	.02	.02											.071	14	.12
10																											
11																											
12																											
13*																											
14*																											
15																											
16	.01	.00	.00	.00	.00	.00	.01	.03	.03	.03	.03	.03	.02	.02			.02	.04	.04	.07	.07	.07	.04		.026	21	.12
17	.04	.01	.01	.01	.01	.01	.03	.05	.06	.06	.04	.03	.01	.01			.03	.03	.01	.01	.01	.02	.04	.05	.026	22	.07
18	.04	.02	.02	.01	.02	.02	.05	.09	.08					.00		.00	.01	.02	.02	.03	.04	.02	.02	.05	.028	19	.10
19	.06	.03	.05	.04	.03	.02	.03	.04	.06	.05	.08	.04	.02	.02			.00	.00	.01	.00	.00	.02	.03	.05	.031	22	.10
20*	.08	.12	.09	.11	.11	.04	.04	.03	.03	.03	.03	.02	.02	.02		.01	.00	.01	.01	.03	.01	.03	.02	.03	.038	23	.17
21*	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00		.05	.08	.05	.03	.05	.03	.03	.06	.02	.021	23	.10
22	.03	.02	.00	.00	.00	.01	.02	.05	.09	.09	.08	.08	.06	.04			.05	.06	.04	.03	.03	.01	.02	.01	.038	22	.11
23	.01	.00	.01	.00	.00	.00	.01	.03	.06	.05	.04	.04	.04	.03		.02	.03	.04	.02	.02	.01	.02	.02	.01	.021	23	.07
24	.01	.01	.00	.00	.00	.01	.03	.08	.14	.12	.11	.09	.03	.03			.00	.00	.00	.00	.00	.02	.03	.03	.033	22	.16
25	.05	.02	.01	.00	.01	.01	.02	.04	.04					.03			.05	.05	.05	.05	.05	.05	.06	.05	.034	18	.07
26	.05	.04	.03	.02	.03	.03	.07	.12	.10	.07	.04	.04	.05	.03			.02	.02	.01	.01	.02	.02	.01	.01	.038	22	.17
27*	.01	.01	.01	.01	.01	.02	.03	.08	.07	.05	.04	.04	.04	.05		.04	.04	.04	.02	.02	.04	.12	.26	.30	.058	23	.35
28*	.16	.12	.10	.09	.07	.06	.05	.03	.02	.01	.01	.01	.01	.01		.01	.02	.01	.02	.02	.04	.06	.06	.13	.048	23	.28
29	.13	.34	.34	.16	.10	.14	.17	.25	.14	.15	.08	.03	.02	.03		.03	.03	.01	.01	.01	.01	.01	.01	.00	.095	23	.44
30	.00	.00	.02	.07	.16	.25	.30	.12	.09	.05	.03	.02	.02	.01		.03	.03	.04	.04	.04	.03	.06	.06	.07	.066	23	.42
MEAN	.04	.05	.05	.04	.04	.04	.05	.07	.07	.05	.04	.03	.03	.03			.03	.03	.03	.03	.03	.04	.05	.06	.042		
NO	24	23	24	24	24	24	24	24	24	21	21	21	21	23		11	22	23	23	23	23	23	23	22		515	
MAX	.16	.34	.34	.16	.16	.25	.30	.25	.14	.15	.11	.09	.06	.08		.08	.12	.09	.09	.13	.12	.12	.26	.30	.095		.44

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-17

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2	.08	.07	.04	.02	.02	.05	.07	.06	.05	.05		.05	.03	.04											.048	15	.09
3	.03	.05	.06	.03	.02	.02	.04	.10	.09	.08	.06	.04	.05	.02			.02	.02	.03	.02	.05	.06	.03	.07	.045	22	.11
4*	.05	.02	.02	.01	.01	.01	.01	.02	.02	.02	.03	.03	.02	.02			.02	.02	.03	.06	.06	.07	.09	.03	.030	22	.10
5*	.02	.02	.01	.01	.01	.01	.01	.02	.02	.05	.02	.02	.01	.01		.00	.00								.015	16	.06
6																											
7		.02	.01							.03	.03	.03	.03	.03		.04	.03	.03	.03	.05	.10	.18	.39	.17	.074	16	.43
8	.05	.03	.06	.03	.04	.11	.13	.11	.08	.03	.03	.02	.01				.00	.00	.00						.045	16	.15
9							.01	.04					.01	.02		.02	.02	.02	.02	.00	.00	.00	.01	.01	.013	15	.05
10	.02	.03	.03	.04	.05	.07	.09	.09	.05	.04	.02	.01	.01	.01		.02	.03	.02	.02	.04	.10	.13	.16	.23	.056	23	.31
11*	.14	.06	.04	.02	.02	.04	.06	.07	.07	.05	.03	.03	.03	.05		.03	.03	.02	.04	.04	.04	.02	.02	.02	.042	23	.21
12*	.03	.03	.02	.01	.04	.04	.04	.05	.04	.03	.05	.05	.04	.04		.04	.02	.02	.03	.05	.08	.06	.03	.03	.038	23	.12
13	.03	.03	.03	.02	.02	.02	.05	.10	.07	.05	.04	.04	.04	.03		.05	.05	.04	.02	.02	.02	.02	.02	.01	.035	23	.11
14	.01	.01	.01	.01	.02	.05	.06	.07	.05	.03	.03	.04	.04	.03		.03	.04	.03	.02	.01	.01	.01	.01	.01	.026	23	.08
15																											
16																											
17																											
18*																											
19*																											
20																											
21																											
22																											
23																											
24																											
25*																											
26*																											
27																											
28																											
29																											
30																											
31																											
MEAN	10	11	11	10	10	10	11	11	10	11	10	11	12	11		8	11	10	10	9	9	9	9	9			
NO.	.14	.07	.06	.04	.05	.11	.13	.11	.09	.08	.06	.05	.04	.05		.05	.05	.04	.04	.06	.10	.18	.39	.23	.074	235	.43
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-18

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1*		.03	.01	.02	.01	.02	.02	.01	.01	.01	.00	.00	.00	.00		.00				.01	.02				.011	16	.04
2*																											
3	.06	.07	.05	.05	.05	.04	.04	.04	.04	.04		.02	.02	.02											.041	13	.07
4																											
5																											
6																											
7																											
8*																											
9*																											
10																											
11																											
12		.03	.03	.02	.01	.01	.01	.03	.03	.05	.03		.08	.06			.05	.04	.02	.04	.06	.06	.06	.05	.038	20	.10
13	.04	.06	.03	.03	.02	.02	.06	.07					.03	.03			.03	.03	.03	.02	.03	.04	.03	.03	.035	18	.09
14	.03	.02	.00	.01	.04	.06	.07	.07	.06	.05	.03	.03	.02	.02		.02	.02	.02	.02	.03	.09	.15	.18	.19	.052	23	.41
15*	.10	.08	.08	.07	.04	.05	.07		.05	.02	.01	.01	.01	.00		.00							.05	.07	.044	16	.11
16*	.03	.09	.08	.11	.09	.05	.04	.04	.01	.04	.01	.01	.01	.02		.00	.00	.01	.01	.03	.03	.03	.01	.00	.029	23	.13
17					.01	.01	.05	.07	.05	.04	.04	.04	.04	.03			.06	.08	.05	.08	.07	.05	.04	.03	.046	18	.12
18	.01	.01	.01	.01	.01			.08	.06	.04		.02	.02	.02			.02	.01	.01	.02	.01	.01			.022	17	.12
19				.01	.01	.01	.02	.04	.04			.02	.01	.01				.01	.01	.00	.00	.00		.03	.014	15	.06
20						.01	.03	.03	.02	.02	.02	.02	.02	.02		.04	.03	.02	.03	.04				.03	.024	15	.05
21						.05	.09	.07	.07	.04	.02					.01	.01	.01	.01		.03	.04	.07		.039	13	.11
22*																											
23*																											
24									.02	.01	.01	.01	.00	.00		.01	.02	.02	.02	.03	.02	.02	.02	.04	.017	15	.05
25	.10	.06	.05	.04	.07	.07	.08	.06	.04	.03	.02	.02		.01		.01	.02	.02	.02	.02	.02	.01	.01	.01	.036	22	.13
26	.01	.01	.01	.01	.01	.01	.07	.09	.05		.02	.01	.01	.02			.03	.01	.02	.04	.04	.02	.01	.01	.024	21	.11
27	.00	.00	.00	.00	.00	.00	.04	.05						.05		.07	.06	.05	.04	.03	.04	.02	.01	.01	.027	18	.08
28	.01	.02	.03	.01	.00	.02	.04	.08	.10	.09		.07	.06	.02		.03	.01	.00	.00	.00	.01	.00	.02	.01	.029	22	.12
29*	.01	.01	.00	.00	.01	.02	.05	.08	.06	.06	.05	.02	.02	.01		.02	.02	.02							.026	17	.11
30*																											
MEAN	11	13	13	14	15	.03	.05	.06	.04					.02													
NO						16	16	16	16	14	12	14	15	17		11	14	15	14	14	14	13	12	13		322	
MAX	.10	.08	.08	.11	.07	.07	.09	.09	.10	.09	.05	.07	.08	.06		.07	.06	.08	.05	.08	.09	.15	.18	.19	.052		.41

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-19

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITRIC OXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00	.00	.00	.01	.02	.03	.06	.06	.02	.02	.01	.01	.00	.00		.00	.01	.00	.03	.01	.01			.10	.018	21	.12
2	.07	.01				.01	.05	.07	.04	.03	.01	.01	.01	.01		.01	.02	.03	.02	.03	.05	.06	.10	.05	.034	20	.14
3	.07	.01	.03	.03	.06	.02	.05			.03	.02	.03	.02	.03			.03	.01	.00	.02	.00				.026	17	.12
4																											
5																											
6*		.01	.06	.01	.01	.04	.06	.02	.00	.01	.01	.01	.00	.01		.01	.01	.01	.01	.01	.02	.02	.05	.11	.022	22	.13
7*	.08	.05	.04	.03	.05	.05	.03	.03	.02	.06	.00	.01	.00	.01			.00	.01	.01	.01	.01	.03	.01	.02	.025	22	.10
8	.03	.05	.15	.11	.02	.01	.05	.02	.02	.03	.02	.01	.01	.01		.00	.00	.00	.00	.00	.00	.00	.00	.00	.023	23	.19
9	.00	.01	.01	.01	.00	.01	.03	.05	.05	.03	.01	.01	.01	.00		.00	.00	.00	.01	.00	.00	.00	.00	.00	.011	23	.07
10	.00	.00	.01	.01	.00	.01	.04	.05	.03	.04	.05	.04	.05	.02			.06	.04	.03	.03	.02	.02	.01	.01	.025	22	.08
11	.00	.00	.00	.00	.01	.01	.03	.04					.01	.00		.01	.00	.00	.00	.00					.007	15	.04
12																											
13*																											
14*	.01	.01	.02	.02	.02	.02	.02	.01	.02	.02	.01	.00	.00	.00			.00	.00	.00	.00	.00	.00	.01	.01	.009	22	.03
15	.02	.02	.00	.00	.00	.03	.07	.07	.03	.02	.01	.01	.02	.01		.00	.01	.01	.00	.03	.00	.03	.04	.01	.018	23	.06
16																											
17						.03	.07	.06	.02		.00	.00	.00	.00			.06	.05	.05	.05	.04	.03	.04	.03	.033	18	.11
18	.02	.03	.04	.02	.04	.03	.02	.04	.01	.00	.00	.00				.00	.00	.00	.00						.016	16	.07
19																											
20*																											
21*		.03	.03	.01	.01	.02	.02	.01	.02	.00			.01	.01		.00	.00	.00	.00	.00	.00	.01	.00	.01	.009	20	.03
22	.03	.04	.00	.01	.00	.05	.04	.02	.01			.01	.00	.00		.00	.01								.015	14	.06
23	.00	.00	.00	.00	.06	.03	.03	.06	.05	.03	.02	.02	.00	.00		.01	.01	.01	.02	.02	.02	.03	.03	.00	.019	23	.09
24		.00	.00	.00	.08	.07	.06	.18	.24		.03	.02	.00	.00							.04	.03	.02	.01	.047	16	.31
25	.00	.00	.01	.00	.00	.00	.01	.03	.02	.02	.02	.02	.02	.01			.02	.03	.01	.02	.07	.12	.10	.08	.027	22	.13
26	.05	.03	.01	.00	.00	.00	.03	.06	.03	.04	.04	.01	.01	.00		.01	.01	.01	.00	.02	.00	.00	.01	.01	.017	23	.07
27*	.01	.01	.00	.02	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00		.00	.00		.00			.00		.00	.003	19	.05
28*	.00	.00					.01	.02	.00	.00	.01	.00	.00	.00			.00	.00	.01	.01	.02	.05	.04	.02	.011	18	.06
29	.00	.00	.00	.00	.02	.06	.13	.11	.06	.04	.03	.01	.01	.01		.00	.01	.01	.02	.03	.05	.06	.16	.24	.045	23	.30
30	.25	.07	.05	.06	.06	.09	.12	.10	.07	.08	.05	.02	.01	.01		.00	.01	.00	.00			.00			.054	19	.27
31	.00	.00	.00	.01	.00	.00	.01	.04	.05			.01	.00	.00			.03	.02	.01	.01	.01	.01	.00	.00	.011	20	.06
MEAN	.03	.02	.02	.02	.02	.03	.04	.05	.04	.02	.02	.01	.01	.01			.01	.01	.01	.02	.02	.02	.04	.04	.022		
NO.	20	23	21	21	21	23	24	23	22	19	20	22	23	23		15	23	21	22	19	19	19	17	19		479	
MAX.	.25	.07	.15	.11	.08	.09	.13	.18	.24	.08	.05	.04	.05	.03		.01	.06	.05	.05	.05	.07	.12	.16	.24	.054		.31

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-20

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00	.00	.01	.02	.01	.02	.04	.03	.03	.02	.01	.00	.00	.01		.00	.01	.02	.04	.02	.01	.01	.00	.01	.013	23	.06
2	.01	.00	.00	.01	.00	.00	.01	.03	.05	.03	.02	.00	.00	.00		.00	.00	.00	.01	.01	.03	.02			.010	21	.05
3*			.00	.02	.03	.01	.00	.02	.03	.02	.01	.00		.01					.01	.01	.01	.01	.01	.03	.013	17	.05
4*	.04		.02	.03	.04	.03							.01	.00			.01	.01	.01	.01	.02	.04	.01	.02	.020	15	.06
5	.03	.01	.01	.01	.01	.03	.03	.04	.06	.06	.04	.02	.01	.02		.02	.02	.01	.01	.01	.01	.01	.01		.020	22	.06
6									.01	.01	.01	.00	.00	.01		.01	.02	.03	.03	.04	.03	.01	.02		.016	14	.05
7																											
8					.00	.01	.03	.05	.01	.00	.00	.00	.00	.00		.01	.02	.01	.01	.01	.09	.13	.03	.03	.023	19	.18
9	.10	.12	.07	.11	.11	.07	.07	.06	.06	.06	.02	.01	.01	.00		.01						.02			.056	16	.14
10*							.01	.02	.02	.02	.01	.01	.01	.00		.00	.00	.00	.00	.00					.007	13	.03
11*										.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01	.01	.13	.07	.016	14	.18
12	.10	.17	.21	.12	.05	.05	.10		.04	.03	.04	.03	.02	.01		.00	.01	.01	.01	.01	.01	.02	.02	.01	.048	22	.24
13	.02	.02	.07	.06	.09	.06	.06	.17	.12		.01	.01	.00	.00		.01	.01	.01	.01	.01			.00	.00	.037	20	.19
14																											
15																											
16																											
17*		.02	.01			.01	.00	.01	.00	.01	.01	.01		.00		.01				.02	.02	.02	.03	.06	.015	16	.07
18*	.07	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01	.01	.02	.01	.007	23	.07
19	.00	.00	.00	.00	.00	.00	.02	.05	.05	.04	.02	.01	.01	.01		.01	.01	.01	.00	.00	.01	.01	.01	.00	.012	23	.06
20	.01	.01	.01	.00	.01	.01	.06	.11	.08	.08	.06	.04	.03	.03			.04	.04	.04	.05	.04	.07	.05	.01	.039	22	.12
21	.01	.00	.00	.01	.00	.01	.03	.06	.03	.03	.01		.02	.01			.02	.01	.01	.02	.02	.03	.02	.01	.016	21	.07
22	.01	.03	.02	.03	.04	.04	.09	.12	.06	.03	.02	.01	.00	.00		.00	.01	.01	.01	.00	.01	.05	.03	.01	.028	23	.14
23	.01	.01	.04	.01	.01	.02	.05	.06	.03	.02	.02	.02	.01	.01			.02	.00	.00	.00	.00	.00	.00		.015	21	.07
24*																											
25*		.03	.05	.10	.08	.02	.04	.01	.00	.00	.00	.00	.00			.00	.00	.00	.01	.02	.03	.02	.00	.00	.020	21	.13
26	.00	.00	.00	.00	.00	.00	.02	.06	.04	.03	.02	.02		.01			.03	.01	.02	.02	.03	.04	.02	.00	.017	21	.06
27	.01	.00	.00	.00	.00	.01	.02	.04	.04	.02	.01	.01	.01	.02		.01	.01	.01	.01	.01	.01	.00	.00	.00	.010	23	.05
28	.01	.00	.00	.00	.00	.02	.07	.10	.05	.03	.02	.01	.02	.02				.02	.01	.01	.01	.02	.02	.03	.022	21	.13
29	.08	.06	.05	.02	.01	.00	.03	.04	.04	.03	.01	.01	.01	.01			.01	.00	.00	.00	.01	.08	.11	.03	.028	22	.20
30	.04	.05	.03	.02	.01	.02	.07	.08	.06	.03	.02	.02	.01	.01		.01	.02	.01	.00	.01	.02	.04	.01	.03	.026	23	.13
31*																											
MEAN	.03	.03	.03	.03	.02	.02	.04	.05	.04	.02	.02	.01	.01	.01		.01	.01	.01	.01	.01	.02	.03	.02	.02	.021		
NO	18	19	21	20	21	22	22	21	23	23	24	23	22	24		17	21	22	23	24	22	23	22	19		496	
MAX	.10	.17	.21	.12	.11	.07	.10	.17	.12	.08	.06	.04	.03	.03		.02	.04	.04	.04	.05	.09	.13	.13	.07	.056		.24

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-21

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITRIC OXIDE
SEPT. 1968

DAY OF MONTH	A M 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P M 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*		.02	.06	.05	.18	.06	.06	.04	.06	.05	.01					.01	.01	.01	.01	.01	.01	.02	.03	.04	.038	19	.19
2	.03	.03	.01	.01	.01	.02	.04	.06	.05	.03	.02	.00	.01	.00		.01	.00	.01	.01	.02	.06	.05	.04	.05	.023	21	.09
3	.04	.04	.05	.13	.14	.16	.21	.24	.20	.13	.04	.01	.02	.01		.01	.01	.00	.02	.23	.44	.67	.08	.09	.131	21	.83
4	.06	.04	.03	.05	.02	.17	.20	.18	.17	.10		.02	.01	.01					.02	.01	.02	.01	.00	.00	.059	19	.25
5	.00	.00	.00	.00	.00	.00	.00	.02	.02		.02	.02	.01	.01		.01	.02	.01	.01	.00	.00	.00	.00	.00	.007	22	.09
6	.00	.00	.00	.00	.01	.00	.01	.00	.01	.01	.01	.01	.01	.01		.01	.02	.02	.01	.01	.00	.01	.01	.02	.007	23	.03
7*		.02		.01	.00	.01	.04	.04	.03	.02	.01	.01	.01	.01			.00	.00	.02	.13	.12	.20	.41	.78	.093	20	.86
8*	.48	.47	.45	.16	.10	.07	.04	.05	.05	.04		.02	.01	.01			.00	.00	.00	.00	.00	.02	.07	.02	.097	21	.73
9	.00	.00	.00	.01	.02	.04	.08	.17	.16	.08	.02	.02	.02	.02		.01	.02	.02	.01	.00	.00	.01	.01	.00	.031	23	.19
10	.00	.00	.00	.00	.00	.00	.04	.06	.06	.03	.02	.01	.01	.02			.02	.02	.00	.00	.00	.00	.00	.00	.013	23	.09
11	.00	.02	.01	.00	.00	.00	.02	.04	.04	.02			.01	.01			.01	.00	.00	.00	.00	.00	.00	.00	.008	20	.04
12	.00		.00	.00	.00	.00	.02		.04	.03	.02	.02	.02	.02			.03	.02	.03	.03		.04	.04	.05	.021	19	.06
13	.03	.01	.00	.01	.00	.02				.03	.02	.02	.01	.01		.02	.02	.02	.01	.02	.03	.04	.07		.020	19	.10
14*			.18	.21	.13	.06		.05	.03	.02	.02	.02	.01	.01		.01	.01	.01			.21	.11	.21	.37	.092	18	.39
15*																											
16																											
17																											
18		.29	.25	.18	.12	.14	.33	.24	.11	.08	.07	.04	.03	.01		.02	.01	.01	.01	.01	.03	.04	.46	.48	.139	21	.55
19	.49	.25	.13	.08	.04	.06	.14	.21	.09	.07	.05	.05	.01	.00			.02	.02	.00	.00	.02	.31	.84	.94	.170	23	1.04
20	.69	.44	.20	.15	.14	.14	.17	.26	.18	.09	.03	.01	.01	.01			.02	.01	.00	.00	.00	.00	.00	.00	.114	22	.82
21*	.06	.08	.03	.00	.00	.01	.05	.02	.00	.00	.01	.00	.00	.00		.01	.00	.00	.00	.00	.01	.02	.02	.03	.015	23	.11
22*	.03	.02	.02	.02	.00	.00	.01				.01	.01	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.006	20	.04
23	.02	.00	.00	.02	.01	.04	.10	.15	.13	.09	.03	.01	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.026	23	.18
24	.00	.00	.00	.00	.00	.00	.04	.09	.08	.02	.00	.01	.00	.00		.00	.01	.00	.00	.00	.00	.00	.05	.12	.018	23	.14
25	.10	.03	.03	.02	.03	.04	.11	.14	.13	.09	.06	.03	.02	.01				.01	.00	.00	.00	.00	.04	.01	.042	21	.16
26	.01	.00	.00	.02	.04	.01	.03	.07	.04	.02	.02	.01	.01	.01		.01	.01	.02	.02	.01	.00	.00	.00	.00	.015	23	.09
27	.00	.00			.00	.00	.03	.08	.05	.04	.02	.01	.01	.00		.01	.02	.02	.02	.07	.35	.51	.32	.13	.080	21	.56
28*	.09	.03	.04	.02	.01	.01	.02	.05	.03	.02	.02	.01	.01	.00		.00	.00	.01	.03	.06	.08	.06	.06	.05	.030	23	.12
29*	.06	.04	.04	.03	.03	.02	.02	.03	.02	.01	.01	.01	.01	.01		.02	.02	.02	.04	.05	.07	.11	.19	.11	.041	23	.21
30	.13	.06	.02	.01	.00	.01	.06	.11	.09	.05	.03	.03	.02	.01		.01	.01	.00	.00	.00	.00	.01	.01	.00	.028	23	.14
MEAN	.10	.07	.06	.05	.04	.04	.07	.10	.07	.05	.02	.02	.01	.01		.01	.01	.01	.01	.03	.06	.09	.11	.13	.050		
NO.	23	25	25	26	27	27	25	24	25	25	24	25	26	26		18	25	26	26	26	26	27	27	26		580	
MAX	.69	.47	.45	.21	.18	.17	.33	.26	.20	.13	.07	.05	.03	.02		.02	.03	.02	.04	.23	.44	.67	.84	.94	.170		1.04

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-22

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITRIC OXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.00	.00	.00	.00	.01	.03	.06	.10	.08	.03	.02	.01	.01	.01		.00	.01	.00	.00	.00	.04	.02	.02	.02	.020	23	.11
2	.02	.06	.04	.04	.06	.10	.13	.11	.03	.03			.00	.00				.00	.00	.00	.00	.00			.037	17	.15
3						.00	.00	.01	.02	.03	.02	.05	.03	.02		.01	.01	.00	.01	.04	.02	.02	.01	.01	.018	18	.06
4	.00	.00	.00	.00	.00	.00	.02	.03	.03	.03	.03	.03	.02	.02		.03	.04	.04	.04	.04	.04	.04	.03	.03	.023	23	.05
5*	.02	.02	.01	.01	.00	.01	.04	.05	.05	.04	.03	.03	.03	.03		.03	.03	.03	.04	.06	.10	.12	.12	.14	.045	23	.17
6*	.13	.16	.15	.14	.16	.23	.25	.26	.15	.09	.04					.00	.00	.00	.01	.03	.03	.03	.03	.02	.094	20	.29
7	.01	.00	.00	.00	.00	.00	.01	.04	.07	.05	.05	.04	.03	.03			.04	.03	.04	.04	.02	.01	.05	.03	.027	22	.08
8	.03	.03	.02	.00	.00	.01	.06	.08	.04	.02	.02	.03	.02	.01		.01	.02	.02	.02	.02	.02	.03	.03	.04	.025	23	.10
9	.04	.03	.02	.01	.00	.01	.06	.13	.14	.11	.13	.10	.04	.02			.02	.02	.01	.00	.00	.01	.01	.01	.041	22	.15
10	.01	.01	.01	.02	.04	.06	.13	.16	.11	.09	.05	.02	.01	.02			.05	.05	.02	.03	.02	.02	.02	.02	.044	22	.19
11	.02	.02	.01	.03	.04	.05	.10	.17	.14	.14	.15	.14	.14	.16											.092	14	.19
12*											.02	.03	.01	.02	.03	.04	.04	.03	.04	.02	.01	.04	.05	.05	.031	14	.06
13*	.06	.08	.12	.08	.07	.07	.04	.04	.06	.05	.03	.01		.01	.01	.01	.01	.01	.06	.09	.10	.13	.21	.16	.065	23	.25
14	.17	.31	.25	.31	.30	.24	.21	.24	.19	.10	.09	.07	.06	.05	.06		.07	.16	.10	.09	.07	.03	.01	.00	.138	23	.37
15	.00	.01	.00	.01	.01	.02	.06	.21	.16	.08	.06	.11	.03	.03		.06	.06	.07	.08	.10	.14	.29	.40	.64	.113	23	.73
16	.53	.52	.63	.50	.36	.31	.45	.62	.44	.24	.17	.11	.06	.02			.01	.01	.02	.03	.02	.01	.01	.01	.230	22	.68
17	.02	.03	.04	.11	.18	.31	.39	.44	.42	.30	.14	.04	.02	.01		.01	.01	.01	.01	.01	.00	.01	.01	.01	.109	23	.53
18	.02	.00	.00	.01	.06	.08	.15	.18	.18	.14	.07	.02	.02	.01			.00	.00	.00	.00	.01	.01	.01	.00	.043	22	.19
19*	.00	.00	.00	.00	.01	.02	.02	.04	.03	.02	.02	.02	.03	.03			.07	.06	.05	.05	.03	.01	.01	.01	.024	22	.08
20*	.00	.00	.00	.00	.00	.00					.01	.01	.01	.01		.00	.01	.00	.01	.00	.00	.00	.00	.00	.003	19	.01
21	.00	.00	.00	.00	.00	.00	.00																				
22	.04	.03	.04	.03	.07	.18	.40	.35	.18	.07	.05	.04	.03	.02		.03	.05	.05	.05	.05	.06	.05	.04	.06	.028	16	.07
23	.00	.00	.00	.01	.02	.03	.05	.07	.05	.03	.03	.03	.02	.02		.01	.01	.01	.00	.00	.00	.00	.00	.00	.068	23	.52
24	.05	.04	.01	.01	.01	.02	.04	.06									.07	.06	.06	.07	.07	.06	.05	.05	.039	22	.09
25	.01	.01	.01	.01	.01	.02	.04	.06	.06	.05	.05	.04	.03	.02		.04	.05	.05	.03	.02	.02	.02	.01	.02	.028	17	.09
																.02	.03	.04	.04	.03	.03	.03	.03	.02	.030	23	.07
26*	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.01		.02	.02	.01	.01	.01	.01	.01	.02	.02	.010	23	.03
27*	.02	.02	.01	.01	.01	.01	.01	.02	.01	.01	.01	.00	.00			.01	.01	.03	.01	.01	.01	.01	.01	.00	.011	22	.04
28	.00	.00	.00	.00	.00	.02	.02	.03	.06	.04	.04	.03							.00			.01	.04	.02	.019	16	.06
29	.01	.00	.00	.00	.00	.01	.01	.04			.04	.03	.02	.02			.06	.05	.06	.05	.04	.04	.04	.03	.027	20	.10
30	.02	.01	.00	.00	.00	.00	.01	.08	.10	.04	.03	.03	.03	.02						.02	.00	.02	.01	.01	.021	19	.11
31	.01	.00	.00	.01	.00	.00	.03	.07	.09	.05	.03	.02	.02	.01		.02	.04	.08	.08	.05	.06	.22	.29	.19	.060	23	.38
MEAN	.04	.05	.05	.05	.05	.06	.10	.13	.11	.07	.05	.04	.03	.02		.02	.03	.03	.03	.03	.03	.04	.05	.06	.052		
NO	29	29	29	29	29	30	29	28	26	26	28	27	26	26	3	18	27	28	29	29	29	30	29	29		642	
MAX	.53	.52	.63	.50	.36	.31	.45	.62	.44	.30	.17	.14	.14	.16	.06	.06	.07	.16	.10	.10	.14	.29	.40	.64	.230		.73

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-23

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.17	.43	.47	.39	.33	.30	.34	.55	.51	.37	.13	.10	.05	.03		.03	.06	.08	.06	.06	.07	.03	.10	.11	.206	23	.60
2*	.10	.09	.06	.07	.05	.04	.07	.11	.10	.10	.04	.03	.02	.02		.02	.02	.03	.06	.07	.08	.15	.15	.08	.066	23	.20
3*	.06	.08	.10	.09	.07	.11	.14	.20	.20	.08	.05	.03	.06	.09		.06	.07	.05	.07	.08	.13	.09	.10	.11	.092	23	.24
4	.08	.08	.09	.02	.02	.03	.03	.07	.12	.10	.09	.09	.09	.07		.06	.05	.07	.05	.04	.04	.05	.06	.05	.063	23	.13
5	.09	.04	.03	.04	.04	.05	.08	.13	.17	.15	.13	.09	.07	.07		.07	.06	.07	.07	.06	.05	.07	.10	.06	.075	23	.17
6	.06	.05	.05	.06	.04	.03	.08	.09	.12	.12	.09	.07	.06	.05			.09	.07	.06	.06	.04	.03	.03	.02	.062	22	.13
7	.01	.01	.01	.01	.00	.00	.00	.01	.03	.05	.04	.04	.05	.06		.07	.08	.09	.07	.06	.06	.06	.05	.03	.037	23	.09
8	.03	.03	.03	.03	.02	.02	.03	.06	.08	.08	.08	.07	.07	.07		.05	.07	.07	.05	.04	.05	.06	.06	.05	.052	23	.09
9*	.06	.05	.05	.04	.05	.02	.03	.05	.06	.04	.05	.04	.04	.04		.03	.03	.03	.02	.01	.03	.02	.03	.04	.035	23	.07
10*	.03	.02	.03	.03	.02	.02	.02	.02	.01	.02	.02	.02	.03	.03		.02	.03	.03	.02	.03	.03	.02	.01	.02	.023	23	.05
11	.02	.01	.00	.00	.00	.00	.02	.08	.10	.06	.05	.06	.07	.06		.07	.07	.07	.06	.05	.05	.07	.09	.07	.048	23	.14
12	.05	.02	.01	.01	.01	.00	.00	.00	.03	.04	.05	.04	.04	.03		.03	.03	.03	.02	.02	.01	.01	.01	.00	.020	23	.06
13	.00	.00	.00	.00	.00	.00	.00	.01	.03	.04	.04	.04	.04	.04				.05	.03	.02	.02	.01	.01	.00	.018	21	.05
14	.00	.00	.00	.00	.00	.00	.00	.04	.05	.05	.03	.03	.03	.02		.03	.03	.03	.03	.02	.02	.04	.03	.04	.022	23	.06
15	.05	.07	.08	.07	.06	.09	.08	.27	.23	.13	.12	.11	.08	.08			.04	.10	.13	.11	.10	.18	.13	.09	.108	22	.33
16*	.10	.09	.11	.09	.09	.09	.11	.14	.17	.15	.14	.13	.13	.13		.05	.06	.09	.08	.12	.14	.12	.09	.10	.110	23	.17
17*	.08	.09	.09	.08	.07	.06	.06	.05	.05	.04	.05	.06	.06	.08		.09	.10	.10	.14	.15	.15	.16	.19	.19	.095	23	.19
18	.20	.18	.20	.18	.16	.10	.08	.09	.10	.08	.06	.04	.03	.03		.03	.03	.03	.02	.02	.02	.03	.02	.01	.076	23	.21
19	.01	.01	.01	.01	.00	.00	.02	.06	.07	.06	.04	.03	.03	.03		.01	.02				.02	.01	.00	.01	.022	20	.07
20	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.02	.02	.02	.02							.01	.01	.01	.01	.010	18	.03
21	.01	.01	.00	.00	.00	.00	.01	.03	.05	.05	.03	.03	.02	.04		.06	.04	.07	.05	.02	.01	.01	.03	.05	.027	23	.09
22	.08	.10	.08	.07	.05	.07	.09	.14	.20	.16	.12	.06	.05	.02		.03	.06	.12	.14	.11	.12	.16	.18	.22	.105	23	.25
23*	.25	.15	.08	.05	.02	.22	.20	.44	.44	.23	.14	.06	.03	.02		.02	.02	.03	.01	.00	.02	.02	.02	.01	.107	23	.65
24*	.02	.03	.02	.00	.00	.00	.00	.05	.21	.03	.04	.04	.03	.04		.04	.06	.06	.04	.01	.01	.01	.04	.05	.036	23	.24
25	.03	.02	.01	.00	.00	.00	.03	.11	.16	.12	.06	.04	.02	.02		.02	.04	.06	.06	.04	.02	.02	.01	.00	.038	23	.17
26	.01	.02	.00	.01	.01	.01	.02	.07	.08	.07	.05	.04	.04	.03			.05	.06	.08	.07	.05	.04	.03	.03	.039	22	.09
27																											
28																											
29		.02	.02	.02	.02	.01	.02	.02	.02	.03	.01	.01	.01	.01		.02	.02	.03	.02	.02	.02	.01	.01	.00	.016	22	.04
30*	.00	.00	.00	.00				.00	.00	.00	.00	.01	.02	.02		.02		.02	.02	.01	.02	.02	.03	.05	.013	19	.06
MEAN	.06	.06	.06	.05	.04	.05	.06	.10	.12	.09	.06	.05	.05	.04		.04	.05	.06	.06	.05	.05	.05	.06	.05	.059		
NO	27	28	28	28	27	27	27	28	28	28	28	28	28	28		23	25	26	26	26	28	28	28	28		626	
MAX	.25	.43	.47	.39	.33	.30	.34	.55	.51	.37	.14	.13	.13	.13		.09	.10	.12	.14	.15	.15	.18	.19	.22	.206		.65

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-24

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.04	.05	.04	.05	.04	.03	.05	.07		.08	.09	.07	.08	.07		.07	.07	.07	.05	.04	.05	.07	.09	.08	.059	22	.10
2	.10	.07	.08	.07	.05	.06	.07	.21	.25	.09	.07	.05	.04	.05				.10	.07	.07	.08	.06	.03	.01	.080	21	.34
3	.02	.02		.04	.02	.01										.10	.10	.16	.09	.07	.06	.04	.02	.03	.054	14	.10
4	.02	.01	.01	.00				.01	.04	.01	.05	.08	.02	.04				.03	.03						.027	13	.12
5																											
6							.00	.00	.01	.01	.01	.01	.01				.02	.02	.02	.02	.02	.03	.03	.02	.014	15	.03
7*	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02	.02	.01	.01	.01			.01	.01	.01	.02	.02	.01			.014	20	.03
8*		.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.02	.01	.01	.01	.01	.01	.01	.010	22	.02
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18		.02	.02	.01	.01	.03	.08	.14	.16	.15	.09	.06	.05	.05		.07	.07	.09	.10	.13	.07	.09	.12	.11	.077	22	.18
19	.09	.08	.09	.06	.07	.08			.25	.22	.16	.11	.09	.08				.07	.06	.04	.02	.03	.10	.09	.092	19	.26
20	.13	.08	.05	.06	.06	.08	.17	.38	.59	.35	.08	.04	.05	.03		.07	.06	.06	.05	.04	.04	.04	.04	.04	.112	23	.76
21*	.03	.01	.01	.01	.01	.00	.01	.04	.04	.04	.02	.02	.04	.03			.04	.07	.06	.05	.05	.07	.07	.12	.037	22	.16
22*	.18	.22	.13	.03	.02	.01	.01	.01	.04	.06	.05	.05	.05	.05		.05	.06	.06	.05	.03	.04	.06	.05	.05	.058	23	.30
23	.06	.07	.05	.05	.07	.07	.08	.08	.08	.07	.06	.07	.07	.07		.04	.03	.02	.02	.01	.01	.00	.00	.00	.047	23	.12
24	.00	.00	.00				.00		.02	.02	.02	.02	.03	.02		.02	.02	.02	.01	.00	.00	.00	.00	.00	.011	19	.03
25																											
26		.01	.00	.00	.00	.00	.00		.05	.05	.03	.02	.02	.04				.01	.01	.00	.00	.00	.00	.00	.013	19	.06
27	.00	.01	.01	.00	.01	.01	.00	.01	.07	.06	.04	.05	.05	.05		.08	.07		.07	.06	.07		.10	.10	.043	21	.11
28*	.11		.13	.12	.11	.10	.10	.13	.18	.16	.30	.40	.44	.38		.02	.02			.12	.12	.10	.04	.03	.155	20	.46
29*	.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.01	.01	.02	.02						.04	.04	.04	.05	.04	.021	19	.05
30	.02	.02	.01		.02	.01		.08	.11	.07	.05	.07	.06	.06		.07	.12	.19	.19	.27	.23	.13	.10	.08	.092	21	.33
31	.09	.06	.04	.05	.04	.04	.05	.06	.13	.10	.08	.05	.03			.02	.03	.04	.05	.10	.15	.17	.13	.12	.074	22	.19
MEAN	.06	.04	.04	.03	.03	.03	.04	.08	.11	.08	.06	.06	.06	.06				.06	.05	.06	.06	.05	.05	.05	.056		
NO	16	18	18	17	17	17	16	16	18	19	19	19	19	17		12	15	17	18	19	19	18	18	18		400	
MAX	.18	.22	.13	.12	.11	.10	.17	.38	.59	.35	.30	.40	.44	.38		.10	.12	.19	.19	.27	.23	.17	.13	.12	.155		.76

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-25

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JAN. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO. OF HRS	5-MIN. MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.03	.03	.03	.03	.03	.03	.03	.02	.02	.01	.01	.01	.01	.02		.02	.02	.03	.03	.03	.03	.03	.03	.03	.024	23	.03
2	.02	.02	.02	.02	.02	.02	.03	.03	.03		.04	.04	.04	.05			.05	.05	.05	.05	.06	.06	.06	.06	.040	21	.06
3	.06	.06	.06	.05	.05	.05	.05	.05	.05	.06	.05	.04	.05	.04			.03	.03	.03	.04	.04	.04	.04	.03	.045	22	.06
4	.03	.03	.03	.03	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04			.03	.03	.03	.02	.02	.02	.02	.02	.028	22	.04
5	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02		.03	.04	.04	.04	.04	.04	.04	.04	.04	.025	23	.04
6*	.04	.05	.05	.05	.05	.04	.04	.04	.04	.05	.05	.05	.06	.05			.04	.03	.03	.03	.03	.03	.03	.03	.041	22	.07
7*	.04	.06	.06	.05	.05	.04	.03	.03	.02	.02	.01	.01	.01	.01		.01	.02	.02	.02	.02	.02	.02	.02	.02	.026	23	.06
8	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02		.02	.03				.02	.02	.02	.01	.020	20	.03
9	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.05		.05	.05	.04	.03	.03	.03	.03	.03	.03	.026	23	.06
10	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.03	.03	.02			.03	.03	.03	.03	.03	.03	.03	.03	.024	22	.04
11	.03	.03	.03	.03	.02	.02	.02	.03	.03			.03	.03	.03		.03	.04	.03	.03	.03	.03	.03	.03	.03	.029	21	.04
12	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04			.04	.05	.04	.04	.04	.04	.04	.03	.034	22	.06
13*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05		.03	.03	.03	.02	.02	.02	.02	.03	.03	.032	23	.06
14*	.03	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02		.03	.03	.03	.03	.03	.02	.02	.02	.02	.022	23	.03
15	.03	.02	.02	.02	.01	.01	.02	.02	.03	.03	.03	.03	.03	.03		.04	.03	.03	.03	.02	.02	.02	.02	.02	.024	23	.04
16	.01	.01	.01	.01	.01	.01	.01	.02	.03	.02	.02	.02	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.022	23	.03
17	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05	.04	.04				.04	.04	.04	.04	.04	.03	.03	.035	21	.05
18	.04	.03	.04	.04	.03	.03	.03	.03	.04	.05	.06	.07	.08	.08		.07	.07	.07	.07	.07	.08	.08	.07	.07	.056	23	.08
19	.08	.08	.07	.06	.05	.05	.05	.05	.05	.07	.09	.10	.09	.04		.04	.04	.04	.03	.03	.03	.03	.03	.03	.053	23	.11
20*	.03	.02	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03		.03	.04	.04	.04	.04	.04	.04	.04	.04	.034	23	.05
21*	.04	.05	.04	.05	.04	.04	.04	.05	.05	.05	.04	.03	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.037	23	.06
22	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.05	.06	.05		.04	.04	.04	.04	.04	.04	.04	.03	.03	.037	23	.08
23	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04		.04	.04	.04	.03	.03	.03	.03	.02	.02	.032	23	.05
24	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.02				.02	.03	.02	.02	.02	.02	.02	.018	21	.04
25	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02		.03	.03	.03	.03	.03	.03	.03	.03	.02	.021	23	.03
26	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02		.03	.04	.03	.04	.04	.04	.05	.04	.04	.029	23	.05
27*	.04	.06	.10	.08	.07	.04	.03	.03	.03	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.07	.09	.13	.052	23	.14
28*	.12	.11	.13	.08	.07	.07	.06	.06	.06	.06	.08	.09	.08	.06		.05	.06	.05	.06	.06	.06	.06	.06	.05	.070	23	.14
29	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.03			.03	.03	.03	.02	.02	.02	.02	.02	.031	22	.04
30	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.03	.03	.05		.05	.04	.03	.03	.02	.02	.02	.02	.02	.027	23	.06
31	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03			.04	.05	.04	.03	.03	.03	.03	.03	.027	22	.06
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04		.03	.04	.04	.03	.03	.03	.03	.03	.03	.033		
NO	31	31	31	31	31	31	31	31	31	29	30	31	31	31		21	29	30	30	30	31	31	31	31		695	
MAX	.12	.11	.13	.08	.07	.07	.06	.06	.06	.07	.09	.10	.09	.08		.07	.07	.07	.07	.07	.08	.08	.09	.13	.070		.14

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-26

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.03	.03	.02	.03	.03	.02	.02	.03	.03	.03	.03	.02	.02	.03		.03	.03	.03	.02	.02	.02	.02	.02	.02	.025	23	.03
2	.02	.02	.02	.02	.02	.02	.03	.03	.04	.02	.02	.02	.02	.02				.04	.04	.04	.04	.03	.03	.03	.026	21	.04
3*	.03	.02	.03	.03	.03	.02	.02	.02	.02	.02	.03	.02	.02	.03		.03	.03		.03	.03	.03	.03	.03	.03	.026	22	.03
4*	.03	.02	.02	.02	.02	.02	.03	.02	.03	.02	.02	.02	.02	.02		.03	.03	.03	.03	.03	.03	.02	.02	.03	.024	23	.04
5	.03	.03	.03	.04	.04	.04	.04	.04	.04				.03	.03		.03	.03	.04	.04	.04	.04	.04	.04	.03	.035	20	.05
6	.04	.04	.04	.04	.04	.03	.03	.04	.03	.03	.03	.03	.03	.03		.03	.04	.04	.04	.04	.04	.04	.05	.05	.037	23	.06
7	.08	.09	.07	.05	.04	.04	.04	.04	.05	.04	.04	.04	.04	.05				.03	.02	.02	.02	.02	.01	.01	.039	21	.10
8	.01	.01	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02	.02	.02		.02	.02	.03	.02	.02	.02	.02	.02	.02	.015	23	.03
9	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02			.03	.03	.02	.02	.02	.02	.02	.03	.023	22	.03
10*																											
11*																											
12																											
13																											
14		.02	.02	.02	.01	.02	.02	.02	.03			.03	.02	.02			.03	.03	.03	.03	.03	.04	.04	.03	.025	19	.04
15	.03	.03	.03	.03	.03	.02	.02	.02	.03	.03	.02	.02	.02				.02	.02	.02	.02	.02	.02	.02	.02	.023	21	.03
16	.02						.02	.03	.03	.03	.03	.02	.03			.03	.04	.04		.04	.04	.04	.04	.04	.032	16	.05
17*	.04	.03	.04	.03	.03	.04	.04	.04	.04	.04	.04	.04	.03	.02		.02	.02	.02	.03	.03	.02	.02	.02	.02	.030	23	.05
18*																											
19		.01	.01	.01	.03	.01					.06	.06	.06	.03		.04	.04	.04	.05	.04	.04	.04	.03	.02	.033	18	.09
20	.02	.02	.01	.01	.02	.03	.03	.03	.04	.03	.02	.02	.02	.02		.02	.03	.03	.02	.02	.02	.02	.01	.01	.022	23	.04
21	.01	.01	.01	.00	.01	.02	.02	.02	.02	.02	.02	.02	.02	.01				.02	.01	.01	.01	.01	.01	.01	.014	21	.03
22	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.011	23	.02
23	.01	.01	.01	.00	.00	.00	.00	.01	.01								.03	.03	.03	.03	.03	.03	.02	.02	.016	17	.03
24*	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.00	.00	.010	23	.02
25*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00			.000	21	.00
26																											
27																											
28		.04	.04	.03	.04								.05	.03			.04	.04	.05	.05	.05	.06	.06	.06	.044	14	.07
29	.05	.04	.04	.03	.04	.04	.04	.04	.04					.04		.05	.05	.04	.05	.04				.01	.040	16	.06
MEAN	.03	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02		.03	.03	.03	.03	.03	.03	.02	.03	.02	.024		
NO	19	21	21	21	21	20	20	20	20	16	17	18	20	19		14	19	21	21	22	21	21	20	21		453	
MAX	.08	.09	.07	.05	.04	.04	.04	.04	.05	.04	.06	.06	.06	.05		.05	.05	.04	.05	.05	.05	.06	.06	.06	.044		.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-27

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.01	.01	.01	.02		.02	.02	.02	.03	.03	.03	.02	.02	.02		.03	.03	.04	.03	.03	.03	.03	.03	.03	.024	23	.04
2*																											
3*			.02	.01	.01	.02	.01	.02		.02	.02		.03	.02		.03	.03	.03	.03	.03	.02	.02	.03	.04	.023	19	.04
4	.04				.04	.04	.04	.04	.05	.04	.04	.04	.03	.04			.04	.04	.04	.04	.04	.04	.03	.03	.039	19	.05
5	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03	.03	.02	.03			.04	.05	.05	.05	.05	.05	.05	.04	.038	22	.06
6	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.04	.07	.08			.05	.04	.05	.05	.05	.06	.05	.04	.047	22	.09
7	.04	.03	.02	.02	.02	.02	.03	.03	.03							.03	.03	.03	.03	.04	.04	.05	.05	.05	.033	18	.06
8	.07	.09	.06	.04	.03	.03	.04	.04	.05	.06	.06	.06	.05	.05			.06	.06	.06	.06	.06	.06	.06	.06	.054	22	.11
9*	.05	.05	.06	.05	.06	.06	.05	.05	.06	.06	.07	.07						.06	.05	.05	.05	.05	.05	.06	.056	19	.08
10*	.06	.07	.07	.06	.08	.08	.07	.06	.06	.08	.08	.06	.06	.05		.04	.04	.04	.04	.05					.059	19	.08
11																											
12	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.02	.02	.03	.029	22	.04
13	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02				.03	.03	.03	.03	.02	.03	.02	.023	21	.03
14	.01	.01	.01	.01	.01	.02	.02	.03	.03					.02		.03	.03	.04	.04	.04	.04	.04	.04	.04	.027	19	.05
15	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02		.02	.03	.04	.03	.03	.03	.03	.04	.03	.030	23	.05
16*	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03			.03	.03	.03	.02	.02	.02	.02	.02	.028	22	.04
17*	.02	.03	.02	.02	.01	.02	.02	.02	.02	.02	.03	.02	.03	.02		.02	.03	.03	.02	.02	.02	.02	.01	.01	.020	23	.03
18	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.03	.03	.03			.03	.03	.03	.02	.02	.02	.03	.03	.022	22	.03
19	.02	.02	.02	.01	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03			.04	.04	.05	.05	.05	.05	.05	.05	.032	22	.06
20	.04	.04	.04	.04	.03	.03	.03	.03	.05	.04	.04	.03	.04	.04			.02	.03	.04	.03	.03	.03	.03	.03	.034	22	.06
21	.03	.03	.03	.03	.03	.02	.02	.03	.05	.06	.09	.12	.16	.20			.18	.18	.16	.13	.08	.06	.04	.04	.080	22	.22
22	.03	.04	.04	.04	.03	.02	.03	.03	.03					.05		.07	.07	.08	.05	.05	.04	.03	.03	.03	.041	19	.09
23*	.03	.03	.03	.03	.01	.01	.01	.01	.01	.03	.03	.03	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	23	.03
24*	.02	.02	.01	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03		.02	.02	.02	.02	.03	.03	.03	.03	.03	.018	23	.04
25	.02	.03	.02	.02	.01	.02	.02	.03	.03	.03	.03	.03	.02	.03			.03	.03	.04	.04	.04	.05	.04	.04	.029	22	.05
26	.04	.04	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.02	.02		.03	.04	.04	.04	.04	.03	.02	.03	.04	.031	23	.05
27	.03	.03	.03	.04	.04	.04	.04	.05	.06	.06	.06	.04	.03	.04			.04	.05	.06	.07	.08	.07	.06	.06	.049	22	.08
28	.06	.06	.05	.05	.05	.05	.06	.08	.13	.15	.15	.10	.11	.10		.06	.06	.09	.08	.09	.08	.08	.07	.06	.082	23	.17
29	.05	.05	.05	.05	.05	.05	.05	.07	.12	.18	.15	.09	.04	.04		.05	.06	.08	.07	.05	.05	.05	.05	.04	.067	23	.19
30*	.04	.04	.03	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02	.02			.02	.03	.04	.04	.04	.06	.06	.05	.027	22	.07
31*	.05	.04	.05	.04	.04	.04	.04	.04	.04	.05	.03	.02	.01	.02			.01	.02	.02	.03	.02	.02	.02	.01	.029	22	.05
MEAN	.03	.04	.03	.03	.03	.03	.03	.03	.04	.05	.05	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.038		
NO	28	27	28	28	28	29	29	29	27	26	26	25	25	27	14	27	29	29	29	28	28	28	28			622	
MAX	.07	.09	.07	.06	.08	.08	.07	.08	.13	.18	.15	.12	.16	.20	.07	.18	.18	.16	.13	.08	.08	.07	.06		.082		.22

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-28

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02		.04	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.03	.03	.03	.024	22	.04
2	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.02		.03	.03	.04	.05	.05	.05	.04	.04	.04	.031	23	.05
3	.03	.03	.03	.03	.03	.03	.03	.04	.05	.04	.04	.03	.02	.03			.04	.04	.05	.04	.05	.05	.04	.05	.038	22	.06
4	.03	.02	.03	.03	.02	.02	.02	.03	.04								.06	.05	.05	.05	.04	.04	.05	.05	.036	17	.06
5	.04	.04	.04	.04	.04	.03	.03	.03	.03	.04	.02	.02	.02	.03			.03	.02	.02	.03	.03	.02	.02	.02	.028	22	.04
6*	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.04	.04	.04	.04			.05	.06	.06	.03	.03	.03	.03	.04	.029	22	.06
7*	.04	.04	.05	.05	.04	.04	.04	.04	.04	.05	.04	.02	.01	.01		.03	.03	.02	.02	.03	.03	.03	.03	.03	.033	23	.05
8	.03	.03	.03	.03	.03	.03	.04	.04	.05	.05	.04	.03	.05	.07			.05	.05	.03	.04	.03	.02	.02	.03	.036	22	.08
9	.03	.02	.02	.01	.01	.02	.02	.03	.02		.01		.02	.02		.03	.03								.019	14	.03
10																											
11																											
12																											
13*																											
14*																											
15																											
16	.00	.00	.00	.00	.00	.00	.00		.02	.02	.02	.02	.02	.02			.03	.03		.05	.05	.04	.05		.019	19	.05
17	.03	.02	.02	.02	.02	.03	.03		.05	.05		.04	.03	.03			.06	.07	.06	.05	.04	.03	.04	.04	.037	20	.08
18	.04	.03	.04	.02	.03	.03	.03	.03						.02		.03	.04	.05	.07	.08	.08	.06	.05	.05	.043	18	.08
19	.05	.03	.03	.03	.02	.03	.03	.03	.04	.06	.08	.08	.07	.08			.07	.08	.04	.04	.04	.04	.04	.04	.047	22	.10
20*	.05	.06	.04	.04	.04	.04	.03	.03	.04	.04	.04	.03	.03	.03			.02	.03	.04	.03	.02	.03	.04	.04	.034	22	.07
21*	.02	.02	.01			.02	.01	.01		.01	.03	.03	.05	.04			.05	.05	.04	.03	.04	.03	.04	.03	.029	19	.07
22	.04	.03	.02	.01	.01	.01	.01	.01	.03	.04	.04	.04	.03	.02		.02	.03	.03	.03	.03	.03	.02	.02	.02	.025	23	.04
23	.02	.01	.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.02			.03	.03	.03	.02	.02	.02	.03	.02	.021	22	.04
24	.02	.02	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03		.04			.03	.03	.03	.03	.03	.03	.03	.04	.023	21	.06
25	.04	.02	.01	.02	.02	.03	.03	.03	.04					.02		.02	.03	.03	.03	.03	.03	.03	.03	.02	.027	19	.04
26	.02	.02	.02	.02	.03	.03	.03	.05	.05	.05	.05	.05	.05	.05			.04	.03	.03	.03	.04	.03	.03	.03	.035	22	.06
27*	.03	.03	.02	.03	.03	.04	.04	.04	.05	.06	.08	.07	.07	.06		.04	.04	.03	.03	.03	.04	.04	.04	.04	.042	23	.09
28*	.03	.03	.04	.04	.04	.03	.03	.03	.00			.01	.02	.02		.01	.02	.02	.03	.03	.04	.04	.04	.04	.027	21	.04
29	.04	.05	.05	.04					.07	.07	.06	.05	.03	.05			.05	.03	.03	.03	.03	.04	.03	.02	.042	18	.08
30	.02	.02	.06	.06	.06	.05	.06	.06	.08	.08	.05	.06	.06	.06			.05	.04	.04	.04	.04	.04	.04	.04	.050	22	.10
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03			.04	.04	.04	.04	.04	.03	.03	.03	.032		
NO	24	23	24	23	22	23	23	21	22	19	19	20	20	23		9	24	23	22	23	23	23	23	22		498	
MAX	.05	.06	.06	.06	.06	.05	.06	.06	.08	.08	.08	.08	.07	.08		.04	.07	.08	.07	.08	.08	.06	.05	.05	.050		.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-29

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITROGEN DIOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.05	.03	.03	.03	.02	.02	.03	.03	.03	.03		.04	.03	.03			.03	.03	.04	.05	.05	.05	.05	.03	.033	23	.05
2	.03	.04	.03	.03	.03	.03	.03	.03						.03		.03	.04	.03	.04	.05	.05	.06	.05	.04	.037	16	.06
3	.04	.05	.04	.04	.05	.04	.04	.06	.06	.08	.09	.08	.07	.07			.05	.06	.07	.04	.06	.06	.05	.06	.056	22	.09
4*	.05	.04	.04	.04	.03	.02	.03	.03	.03	.03	.04	.04	.03	.03		.04	.04	.04	.05	.05	.05	.05	.05	.03	.037	23	.06
5*	.03	.02	.02	.01	.01	.01	.02	.02	.03	.04	.03	.03	.02	.03			.03								.022	15	.04
6										.05	.05	.03	.03	.03		.03	.04	.03	.03	.04	.04	.04	.04	.04	.035	13	.06
7	.04	.03	.02	.02	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03		.04	.04	.04	.04	.05	.05	.05	.05	.04	.035	23	.05
8	.04	.04	.03	.03	.03	.04	.04	.05	.04	.04	.03	.03	.02				.03	.03	.03	.02	.02	.03	.03	.02	.031	21	.05
9	.04	.04	.02	.01	.02	.03	.04	.06					.03	.04			.04	.05	.05	.03	.02	.02	.03	.04	.034	18	.07
10	.04	.04	.05	.04	.04	.04	.04	.04	.05	.05	.03	.03	.03					.03	.04	.05	.06	.06	.05	.05	.043	20	.06
11*	.03	.03	.03	.02	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03		.03	.03	.04	.04	.04	.04	.04	.03	.02	.028	23	.04
12*	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.02	.02	.02	.02	.02	.02	.02	.024	23	.04
13	.02	.02	.02	.02	.03	.03	.03	.03	.04	.03	.03	.04	.04	.03		.03	.03	.02	.02	.02	.02	.02	.02	.02	.026	23	.04
14																											
15																											
16																											
17																											
18*																											
19*																											
20																											
21																											
22																											
23																											
24																											
25*																											
26*																											
27																											
28														.07				.04	.04	.05	.06	.06	.06	.05	.043	16	.07
29	.03	.03	.03	.03	.03	.04	.04	.04					.02	.02			.03	.03	.04	.06	.07	.07	.06	.05	.036	22	.07
30	.04	.05	.03	.02	.02	.01	.03	.04	.04	.04	.02	.02															
31	.04	.03	.03	.03	.03	.03	.03	.04			.03		.03	.04			.04	.04	.04	.04	.04	.04	.04	.04	.035	19	.05
MEAN	15	15	15	15	15	15	15	15	11	12	12	12	14	14		7	14	15	15	15	15	15	15	15	.056	321	.09
NO	.05	.05	.05	.04	.05	.04	.04	.06	.06	.08	.09	.08	.07	.07		.04	.05	.06	.07	.06	.07	.07	.06	.06			
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-30

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.03	.03	.03	.03	.03	.03	.03	.02	.03	.03	.04	.03	.04	.04		.03	.05	.06	.05	.07	.07	.06	.06	.03	.038	23	.08
2*	.04	.03	.02	.02	.01	.02	.02	.02	.02	.03	.05	.06	.07	.05			.05	.05	.08	.06	.08	.07	.06	.06	.043	22	.10
3	.05	.05	.05	.04	.04	.04	.04	.04	.04			.07	.05	.06			.06	.05	.05	.05	.05	.05	.05	.04	.049	20	.09
4	.04	.04	.03	.03	.03	.04	.04	.04	.05	.04	.04	.04	.04	.06			.08	.06	.07	.08	.09	.10	.11	.09	.056	22	.11
5	.08	.07	.06	.08	.06	.06	.07	.09	.11	.09	.07	.06	.05	.06			.07	.06	.06	.08	.11	.11	.10	.09	.074	22	.12
6	.10	.10	.13	.09	.08	.08	.10	.13	.14	.12		.06	.04	.03			.05	.06	.08	.07	.12	.09	.08	.07	.086	21	.15
7	.04	.03	.06	.06	.06	.06	.08	.10	.12	.14	.14	.11	.07	.07			.11	.09	.08	.10	.09	.06	.08	.07	.082	22	.17
8*	.08	.07	.07	.06	.06	.06	.06	.07	.05	.05	.03	.05	.06	.04			.03	.03	.02	.02	.02	.02	.02	.02	.046	22	.08
9*	.02	.02	.02	.02	.02	.02	.04	.04	.08	.06	.05	.05	.05	.05			.04	.06	.07	.04	.05	.08	.08	.09	.047	22	.09
10	.09	.08	.07	.07	.05	.06	.08	.11	.08	.11	.10	.08	.08	.07			.04	.04	.03	.02	.03	.04	.02	.03	.063	22	.13
11	.03	.02	.02	.02	.03	.03	.03	.03	.03								.05	.04	.03	.03	.03	.03	.02	.02	.029	17	.05
12	.02	.01	.02	.02	.02	.01	.02	.02	.03	.03	.04		.09	.06			.05	.05	.05	.07	.06	.06	.06	.06	.040	21	.10
13	.04	.05	.04	.03	.02	.03	.05	.05					.04	.04			.04	.04	.04	.04	.03	.03	.03	.03	.036	18	.06
14	.03	.03	.02	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03			.05	.06	.05	.07	.08	.08	.07	.07	.043	22	.08
15*	.07	.07	.07	.07	.06	.07	.10	.18	.12	.09	.06	.07	.06	.04			.07	.08	.08	.09	.09	.08	.07	.08	.079	22	.19
16*	.06	.08	.08	.08	.06	.07	.05	.05	.03	.05	.04	.04	.03	.05		.04	.04	.04	.05	.08	.08	.08	.06	.05	.055	23	.09
17	.03	.02	.02	.02	.01	.02	.03	.03	.04	.04	.04	.04	.05	.05			.06	.06	.06	.06	.06	.04	.04	.04	.039	22	.07
18	.02	.02				.03	.03	.04	.05	.04	.04	.04	.04	.05			.09	.06	.08	.08	.03		.03		.044	17	.10
19	.01	.02	.01		.03	.04	.05	.07	.08	.10		.04					.04	.01	.01	.02	.03	.05	.05	.06	.040	18	.10
20	.02	.01	.02	.03	.02	.04	.04	.04				.03	.02	.03		.05	.05	.05	.05	.05	.05	.05	.05	.05	.036	20	.06
21	.05	.05	.05	.04	.04	.05	.05	.05	.05	.05	.04	.04	.04	.04			.05	.04	.06	.09	.09	.10	.13	.09	.058	22	.14
22*	.09	.07	.08		.01	.02	.04	.08	.08	.07	.08	.07	.06	.08			.08	.08	.10	.11	.11	.08	.08		.073	20	.13
23*	.07	.06	.05	.05	.04			.02	.02	.02			.03				.05	.06	.08	.09	.14	.17	.14	.11	.070	17	.18
24	.11	.09	.11	.10	.08	.08	.11	.11	.08	.05	.03	.03	.03	.02		.04	.07	.10	.12	.13	.09	.06	.06	.06	.076	23	.14
25	.08	.06	.05	.05	.05	.05	.06	.08	.07	.06	.04	.03	.02	.02		.04	.05	.05	.04	.05	.06	.07	.05	.04	.050	23	.09
26	.03	.03	.03	.02	.02	.03	.06	.06	.07		.04	.03	.04	.04				.09	.11	.12	.08	.06	.04	.03	.051	20	.13
27	.02	.02	.01	.02	.02	.02	.03	.03						.05		.05	.05	.05	.04	.04	.04	.04	.03	.03	.032	1[illegible]	.05
28	.03	.03	.04	.02	.02	.04	.04	.04	.04	.04	.05	.06	.06	.06		.05	.05	.04	.04	.05	.06	.04	.05	.05	.042	23	.07
29*	.05	.04	.04	.04	.04	.04	.08	.09	.09	.10	.09	.07	.06	.04		.04	.06	.05	.06	.09	.07	.05	.06	.06	.061	23	.12
30*	.06	.06	.07	.06	.06	.04	.04	.04	.03				.03	.03		.02	.02	.03	.03	.05	.08	.08	.09	.08	.050	20	.09
MEAN	.05	.04	.05	.04	.04	.04	.05	.06	.06	.06	.05	.05	.05	.05			.05	.05	.06	.07	.07	.07	.06	.06	.053		
NO	30	30	29	27	29	29	29	30	27	23	21	24	27	27		9	29	30	30	30	30	29	30	28		627	
MAX	.11	.10	.13	.10	.08	.08	.11	.18	.14	.14	.14	.11	.09	.08		.05	.11	.10	.12	.13	.14	.17	.14	.11	.086		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-31

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITROGEN DIOXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.06	.04	.04	.05	.05	.06	.09	.10	.08	.06	.05	.03	.03	.03		.02	.03	.03	.09	.10	.09	.06	.07	.12	.059	23	.12
2	.11	.08	.04	.03	.03	.05	.07	.07	.06	.06	.05	.03	.02	.03			.09	.11	.08	.09	.10	.09	.09	.08	.066	22	.13
3	.09	.07	.07	.08	.08	.05	.05	.05	.05	.06	.06	.08	.08	.08			.09	.07	.05	.08	.05	.05	.04	.04	.064	22	.11
4	.01	.03	.01	.03	.03	.02						.05	.09	.05		.09	.06	.05	.06	.06	.06	.07	.05	.05	.046	16	.10
5	.05	.06	.07	.07	.09	.05	.06	.08	.07	.05	.04	.04	.05	.04			.07	.05	.05	.08	.08	.08	.04	.04	.057	22	.11
6*	.04	.08	.10	.08	.07	.08	.10	.07	.07	.11	.12	.07	.06	.08			.06	.07	.06	.06	.07	.07	.07	.07	.074	22	.15
7*	.06	.05	.05	.05	.05	.05	.04	.05	.03	.05	.03	.03	.04	.04			.05	.05	.08	.10	.09	.09	.06	.06	.054	23	.11
8	.08	.09	.10	.10	.07	.07	.10	.08	.08	.08	.07	.05	.05	.05		.03	.03	.02	.02	.02	.03	.03	.03	.03	.055	23	.11
9	.04	.06	.07	.04	.03	.06	.10	.11	.11	.10	.06	.04	.03	.02		.03	.03	.02	.02	.03	.04	.04	.05	.05	.050	23	.12
10	.04	.03	.06	.05	.03	.05	.05	.05	.04	.05	.05	.05	.06	.05			.07	.06	.05	.05	.05	.06	.05	.05	.049	22	.07
11	.05	.05	.03	.03	.04	.04	.04	.05					.02				.05	.06	.04	.05	.05	.03	.04	.04	.041	17	.07
12	.05	.05	.05	.05	.05	.04	.05	.06			.11	.12	.09	.06			.03	.03	.03	.02	.03	.02	.04	.04	.051	20	.13
13*	.04	.05	.04	.04	.03	.03	.04	.06	.11	.12	.13	.13	.11	.07			.07	.05	.02	.04	.03	.04	.03	.03	.058	23	.15
14*	.04	.04	.04	.04	.04	.04	.04	.05	.06	.06	.07	.06	.04	.04			.03	.02	.02	.02	.02	.03	.03	.03	.038	22	.08
15	.03	.03	.02	.02	.09	.03	.04	.05	.08	.10	.09	.07	.14	.13			.10	.08	.06	.09	.06	.06	.06	.05	.063	22	.15
16	.05	.05	.04	.04	.05	.04	.06	.07	.08	.08	.06	.05	.04	.04			.06	.05	.05	.05	.06	.07	.08	.08	.057	22	.09
17	.07	.05	.06	.06	.06	.07	.07	.09	.09		.05	.05	.06	.07				.08	.12	.16	.14	.12	.13	.11	.084	20	.17
18	.08	.09	.09	.08	.08	.08	.08	.12	.16	.13	.08	.06	.04	.02		.03	.03	.02	.02	.02	.03	.02	.02	.04	.062	23	.17
19	.05	.04	.03	.01	.01	.01	.02	.02	.02	.04	.05	.03	.03	.04			.06	.06	.06	.06	.06	.06	.06	.05	.040	22	.07
20*	.05	.03	.02	.01	.01	.02	.02	.02	.02	.03	.03	.03	.02	.03			.03	.03	.03	.05	.05	.05	.04	.04	.029	22	.05
21*	.04	.03	.03	.03	.03	.03	.03	.03	.04	.02	.03		.02	.02			.02	.02	.03	.04	.06	.07	.08	.08	.037	21	.09
22	.08	.08	.06	.06	.06	.08	.09	.11									.02	.02	.02	.02	.02	.02			.052	14	.12
23																											
24																											
25				.05	.04	.05	.05	.05	.05	.05	.06	.06	.06	.06			.07	.07	.06	.07	.07	.07	.07	.06	.059	19	.08
26	.05	.05	.04	.02	.02	.03	.04	.06	.06	.05	.06	.05	.04	.04			.05	.05	.04	.04	.03	.04	.06	.05	.044	22	.07
27*	.05	.05	.05	.07	.05	.04	.05	.05	.04	.03	.03	.03	.02	.02			.02	.02	.02	.02	.02	.03	.03	.02	.035	22	.07
28*	.02	.02	.01	.01	.01	.01	.04	.05	.03	.03	.03	.03	.03	.03			.03	.03	.04	.04	.03	.03	.02	.01	.026	22	.05
29									.05	.05	.04	.03	.04	.05			.05	.05	.06	.07	.07	.06	.06	.06	.053	14	.07
30	.06	.04	.04	.04	.04	.04	.04	.06	.06	.07	.06	.04	.05	.05			.09	.05	.03	.03	.04	.03	.03	.05	.047	22	.09
31	.05	.05	.06	.07	.06	.06	.08	.09	.09			.05	.04	.04			.04	.04	.03	.04	.04	.04	.04	.02	.050	20	.10
MEAN	.05	.05	.05	.05	.04	.04	.06	.06	.06	.06	.06	.05	.05	.05		5	.05	.05	.05	.05	.05	.05	.05	.05	.052		
NO.	27	27	27	28	28	28	27	27	25	23	25	26	28	27			28	29	29	29	29	29	28	28		607	
MAX.	.11	.09	.10	.10	.08	.08	.10	.12	.16	.13	.13	.13	.14	.13		.09	.10	.11	.12	.16	.14	.12	.13	.12	.084		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-32

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITROGEN DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.01	.01	.02	.02	.01	.01	.00	.01	.01								.07	.12	.14	.11	.06	.05	.06	.06	.044	17	.16
2	.05	.05	.04	.04	.04	.03	.03	.03	.04	.04	.05	.04	.03	.04			.04	.03	.04	.05	.06	.06	.04	.04	.041	22	.07
3*	.04	.03	.04	.04	.04	.04	.03	.05	.05	.05	.04	.06	.05	.06			.02	.03	.07	.06	.06	.06	.06	.06	.047	22	.08
4*	.06	.05	.05	.05	.05	.04	.03	.03	.03	.03	.02		.02	.03			.03	.04	.05	.07	.08	.08	.06	.06	.045	21	.09
5	.06	.05	.05	.04	.04	.04	.03	.02	.03	.03	.04	.04	.03	.03		.03	.04	.03	.02	.02	.02	.02	.02	.02	.033	23	.06
6	.01	.01	.01	.01	.01	.01	.01	.02	.04	.05	.03	.03	.05	.05		.06	.08	.10	.10	.08	.07	.05	.04	.04	.041	23	.12
7	.03	.03	.04	.05	.02	.03	.04	.06	.07	.05	.04	.03	.03	.03			.05	.04	.03	.05	.06	.05	.05	.04	.041	22	.07
8	.04	.03	.03	.03	.03	.03	.03	.05	.05	.04	.03	.03	.02	.02		.02	.04	.03	.03	.04	.08	.08	.08	.06	.038	23	.09
9	.06	.06	.05	.06	.05	.06	.06	.08	.09	.08	.06	.05	.04	.05		.04	.03	.03	.06	.06	.07	.08	.07	.05	.058	23	.09
10*	.04	.03	.02	.02	.02	.04	.04	.04	.05	.04	.04	.03	.03			.03	.04	.04	.04	.05	.05	.03	.02	.01	.034	22	.06
11*	.01	.01	.01	.00	.00	.00	.01	.01		.01	.01	.01	.01	.01		.02	.03	.02	.02	.04	.04	.05	.05	.05	.018	22	.06
12	.04	.04	.04	.04	.03	.03	.04	.05	.06	.05	.07	.08	.08	.08		.03	.05	.04	.03	.03	.03	.04	.03	.02	.045	23	.09
13	.03	.02	.02	.01	.01											.03	.04	.04	.02	.02	.02	.02	.02	.04	.024	14	.06
14	.02	.04	.02	.01	.01	.02	.05	.05	.05		.06	.05	.04	.03			.03	.02	.01	.03	.03	.03	.03	.02	.031	21	.07
15	.02	.02	.02	.00	.00	.01	.03	.03	.02	.02	.02	.03	.04	.03			.05	.04	.05	.05	.06	.07	.06	.06	.033	22	.07
16	.06	.06	.06	.05	.05	.05	.06	.08	.09	.05	.04	.04	.02	.08		.04	.03	.02	.03	.03	.03	.03	.05	.04	.047	23	.10
17*	.03	.03	.02	.00	.00	.00										.04	.03	.05	.07	.08	.07	.06	.06	.06	.041	15	.09
18*	.06	.05	.04	.04	.03	.03	.02	.02	.02	.02	.02	.01	.03	.05		.03	.02	.02	.03	.03	.04	.04	.04	.04	.031	23	.06
19	.03	.04	.04	.03	.02	.03	.04	.05	.05	.04	.04	.03	.03	.03		.03	.04	.04	.02	.02	.02	.02	.04	.03	.033	23	.05
20	.03	.03	.02	.02	.02	.02	.04	.06	.06	.07	.09	.09	.09	.07		.08	.09	.09	.08	.08	.07	.07	.06	.04	.059	23	.10
21	.03	.02	.03	.03	.03	.04	.06	.06	.05	.05	.04	.03	.04	.03			.06	.06	.06	.08	.07	.07	.07	.06	.048	22	.08
22	.06	.05	.05	.05	.05	.04	.05	.06	.06	.04	.02	.04	.02	.03		.07	.08	.11	.04	.03	.07	.09	.08	.06	.053	23	.12
23	.05	.06	.06	.04	.03	.05	.06	.06	.05	.04	.04	.04	.03	.03			.08	.05	.04	.03	.03	.03	.04	.04	.043	22	.08
24*	.02	.01	.01	.02	.03	.05	.05	.06	.07	.08	.07	.08	.10	.04		.03	.03	.03	.06	.07	.05	.05	.04	.04	.047	23	.11
25*	.04	.04	.05	.06	.05	.03	.03	.05	.04	.03	.02	.02	.02	.01		.01	.01	.01	.04	.07	.07	.06	.04	.04	.036	23	.08
26	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.04	.03	.03	.02	.02	.02	.02	.02	.027	23	.04
27	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.03	.03	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.026	23	.03
28	.03	.03	.02	.02	.02	.02	.03	.03	.04	.04	.03		.04	.03			.03	.03	.02	.02	.02	.02			.027	19	.04
29																											
30		.02	.02	.02	.02	.02	.02	.03	.03	.04	.03	.02	.02	.02		.02	.03	.03	.03	.03	.04	.04	.05	.07	.030	22	.07
31*	.06	.06	.06	.05	.05	.04	.04	.05	.08	.05	.03	.04	.03	.02		.02	.03	.01	.01	.02	.02	.02	.04	.03	.037	23	.08
MEAN	.04	.03	.03	.03	.03	.03	.03	.04	.05	.04	.04	.04	.04	.04		.04	.04	.04	.04	.05	.05	.05	.05	.04	.039		
NO	29	30	30	30	30	29	28	28	27	26	27	25	27	26		20	30	30	30	30	30	30	29	29		650	
MAX	.06	.06	.06	.06	.05	.06	.06	.08	.09	.08	.09	.09	.10	.08		.08	.09	.12	.14	.11	.08	.09	.08	.07	.059		.16

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-33

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX.
1*	.04	.05	.05	.04	.04	.04	.04	.04	.05	.04	.02	.02	.02			.02	.02	.02	.02	.03	.03	.03	.03	.03	.033	23	.06
2	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03	.01	.02	.01		.02	.02	.03	.04	.04	.04	.04	.04	.03	.031	23	.05
3	.03	.03	.03	.03	.03	.03	.03	.03	.08	.11	.09	.04	.03	.03		.03	.03	.04	.06	.08	.09	.09	.06	.06	.051	23	.12
4	.06	.05	.05	.05	.05	.04	.05	.05	.09	.09	.06	.05	.04	.03			.05	.05	.06	.06	.08	.07	.07	.05	.056	22	.10
5	.04	.05	.04	.04	.06	.04	.05	.07	.07	.04	.04	.04	.03	.04		.05	.06	.05	.04	.04	.04	.04	.04	.03	.044	23	.07
6	.02	.01	.01	.01	.05	.05	.05	.04	.05	.05	.04	.04	.03	.04		.04	.04	.04	.04	.04	.03	.03	.05	.04	.036	23	.06
7*	.04	.04	.03	.03	.03	.04	.03	.04	.04	.04	.03	.03	.02	.03		.03	.04	.04	.06	.07	.07	.07	.08	.09	.044	23	.09
8*	.07	.07	.06	.05	.04	.04	.04	.05	.05	.06	.08	.06	.04	.06		.03	.03	.05	.06	.05	.06	.07	.07	.06	.054	23	.08
9	.04	.04	.05	.06	.06	.06	.07	.08	.10	.08	.06	.06	.06	.05		.06	.07	.06	.05	.03	.04	.04	.04	.03	.057	23	.11
10	.03	.03	.02	.02	.03	.03	.04	.04	.05	.04	.03	.03	.02	.03		.03	.03	.04	.03	.03	.03	.03	.03	.02	.030	23	.05
11	.02	.04	.03	.02	.03	.02	.03	.03	.03	.03		.04	.03	.04			.03	.03	.03	.04	.04	.03	.03	.02	.030	21	.05
12	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.03	.02		.03	.04	.04	.04	.04	.04	.05	.04	.04	.028	23	.05
13	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04		.05	.05	.05	.05	.06	.07	.07	.06	.06	.044	23	.07
14*	.05	.05	.05	.05	.04	.04	.04	.04	.04	.03	.04	.04	.04	.03		.04	.04	.06	.07	.08	.07	.06	.06	.06	.049	23	.08
15*	.05	.05	.04	.04	.05	.05	.05	.05	.05	.06	.07	.05	.04	.04		.04	.04	.05	.05	.03	.05	.05	.06	.06	.048	23	.08
16	.06	.04	.03	.05	.06	.05	.05	.07	.12		.13	.11	.08	.06		.06	.08	.07	.07	.05	.05	.06	.04	.04	.064	22	.14
17	.04	.03	.04	.04	.07	.08	.08	.10	.14			.19	.13	.07			.11	.09	.06	.05	.06	.07	.06	.05	.076	20	.20
18	.05	.06	.06	.06	.05	.05	.06	.08	.09	.08	.08		.09	.06			.06	.06	.06	.05	.05	.05	.07	.06	.063	21	.10
19	.06	.04	.04	.03	.03	.03	.03	.03	.02								.06	.06	.05	.06	.06	.07	.09	.10	.050	17	.10
20	.09	.07	.06	.06	.06	.06	.06	.08	.09	.11	.09	.06	.07	.07			.11	.09	.06	.08	.08	.09	.07	.09	.076	22	.13
21*	.13	.13	.11	.08	.08	.09	.09	.11	.09	.07	.09	.09	.09	.09		.08	.07	.07	.07	.04	.05	.06	.05	.05	.081	23	.13
22*	.05	.06	.06	.05	.04	.04	.05	.06	.09	.06	.04	.04	.03	.03		.05	.04	.04	.06	.07	.07	.07	.08	.09	.056	23	.10
23	.10	.05	.06	.06	.05	.04	.04	.05	.06	.08	.08	.05	.03	.03		.04	.06	.06	.07	.05	.07	.06	.05	.05	.055	23	.13
24	.03	.03	.04	.04	.04	.05	.05	.07	.11	.15	.10	.10	.05	.05		.06	.08	.06	.05	.04	.03	.05	.07	.08	.061	23	.16
25	.06	.04	.04	.03	.03	.02	.03	.03	.05	.04	.05	.08	.06	.05			.05	.05	.03	.03	.04	.06	.06	.05	.045	22	.09
26	.05	.05	.05	.05	.05	.03	.03	.03	.04	.04	.04	.04	.04	.04		.05	.06	.07	.06	.05	.05	.04	.04	.04	.045	23	.07
27	.04	.03	.02	.02	.03	.03	.03	.04	.05	.06	.05	.04	.04	.04		.04	.05	.06	.06	.07	.09	.09	.09	.07	.049	23	.09
28*	.07	.06	.06	.05	.05	.04	.04	.04	.05	.05	.05	.04	.04	.03		.03	.04	.05	.06	.06	.06	.05	.05	.04	.047	23	.07
29*	.04	.04	.04	.03	.03	.03	.03	.03	.03	.02	.02	.02	.03	.03		.03	.03	.03	.04	.03	.03	.04	.04	.04	.032	23	.04
30	.04	.04	.03	.02	.02	.03	.03	.04	.04	.05	.04	.04	.03	.03		.04	.05	.05	.06	.06	.06	.05	.05	.05	.040	23	.06
MEAN	.05	.04	.04	.04	.04	.04	.04	.05	.06	.06	.06	.05	.04	.04		.04	.05	.05	.05	.05	.05	.05	.05	.05	.049		
NO	30	30	30	30	30	30	30	30	30	27	27	28	29	28		23	30	30	30	30	30	30	30			672	
MAX	.13	.13	.11	.08	.08	.09	.09	.11	.14	.15	.13	.19	.13	.09		.08	.11	.09	.07	.08	.09	.09	.09	.10	.081		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-34

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA, PA.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.04	.03	.04	.04	.04	.05	.05	.06	.09	.07	.06	.04	.04	.04		.04	.06	.07	.08	.08	.09	.07	.08	.07	.057	23	.11
2	.07	.08	.07	.01	.07	.09	.09	.08	.11	.10	.06	.04	.03	.02			.03	.02	.03	.04	.04	.04	.03	.02	.054	22	.12
3	.02	.02	.02	.01	.02	.02	.03	.04	.06	.05	.05	.06	.06	.07		.06	.05	.06	.05	.05	.04	.03	.03	.02	.039	23	.07
4	.02	.01	.01	.01	.01	.02	.03	.03	.03	.03	.02	.03	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.020	23	.03
5*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.03	.03	.03	.03	.03	.03	.03	.03	.03	.024	23	.03
6*	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.02	.02			.02	.02	.02	.04	.04	.04	.04	.04	.04	.032	22	.05
7																											
8											.04	.05	.04	.04		.05	.07	.07	.07	.07	.08	.07	.06	.06	.060	13	.08
9	.05	.05	.04	.04	.04	.04	.04	.04	.05	.05	.07	.08	.06	.04			.05	.05	.04	.04	.05	.06	.05	.04	.048	22	.08
10	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.04	.04			.04	.04	.03	.03	.03	.03	.03	.03	.036	22	.04
11	.03	.03	.02	.03	.03	.02	.03	.03	.05	.05	.07	.07	.07	.06											.042	14	.07
12*											.06	.05	.04	.04	.05	.05	.05	.05	.06	.04	.03	.05	.05	.05	.047	14	.06
13*	.04	.04	.06	.05	.05	.04	.03	.03	.03	.04	.05	.06			.10	.10	.09	.08	.09	.10	.10	.10	.09	.08	.066	22	.12
14	.08	.07	.08	.07	.06	.06	.06	.06	.05	.04	.04	.05	.05	.06	.07	.03	.08	.09	.08	.07	.07	.05	.05	.05	.060	24	.09
15	.05	.06	.05	.06	.06	.06	.06	.08	.09	.08	.11	.14	.15	.14		.12	.12	.08	.06	.06	.06	.06	.06	.07	.082	23	.18
16	.06	.06	.06	.05	.04	.04	.05	.07	.07	.07	.06	.13	.13	.19			.04	.06	.07	.06	.04	.03	.03	.03	.064	22	.20
17	.04	.04	.03	.03	.04	.04	.04	.06	.09	.13	.13	.10	.08			.04	.04	.03	.03	.03	.03	.03	.03	.03	.052	22	.15
18	.03	.02	.03	.03	.02	.02	.03	.03	.04	.06	.07	.03	.03	.02			.00	.00	.00	.00	.00	.00	.00	.00	.021	22	.08
19*	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01		.02	.02	.02	.02	.01	.02	.02	.02	.02	.011	23	.02
20*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04			.04	.06	.06	.06	.06	.06	.06	.05	.035	22	.06
21																											
22																											
23		.02	.01	.04	.05	.04	.05	.05	.05	.06		.06	.04	.04			.03	.03	.02	.02	.01	.01	.00	.00	.031	20	.08
24																											
25																											
26*																											
27*	.03	.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03		.03	.04	.04	.04	.03	.04	.04	.04	.04	.030	23	.05
28																											
29																											
30		.04	.03	.03	.03	.03	.04	.04	.04	.02	.02					.02	.02	.02	.02	.02	.02	.02	.02	.02	.026	19	.04
31	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03		.04	.04	.04	.04	.04	.04	.04	.05	.05	.031	23	.06
MEAN	.04	.03	.03	.03	.03	.03	.04	.04	.05	.05	.05	.05	.05	.05	3	15	.04	.04	.04	.04	.04	.04	.04	.04	.042	486	
NO	19	21	21	21	21	21	21	21	21	21	22	22	21	19	.10	.12	.12	.09	.09	.10	.10	.10	.09	.08	.082		.20
MAX	.08	.08	.08	.07	.07	.09	.09	.08	.11	.13	.13	.14	.15	.19													

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-35

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA•PA•

NITROGEN DIOXIDE
NOV• 1968

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.05	.07	.07	.06	.05	.05	.05	.06	.06	.11	.07	.08	.06	.06		.07	.07	.08	.07	.07	.06	.05	.06		.065	23	.12
2*										.09	.05	.04	.04	.05		.04	.05	.06	.06	.05	.06	.06	.06	.05	.053	14	.10
3*	.05	.05	.05	.05	.05	.05	.04	.04	.05	.05	.05	.05	.05	.05		.04	.04	.04	.05	.04	.04	.04	.04	.04	.046	23	.06
4	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.031	23	.04
5	.03	.03	.03	.04	.04	.04	.04	.04	.05	.05	.06	.06	.06	.06		.05	.05	.05	.04	.05	.05	.06	.07	.05	.047	23	.07
6	.04	.04	.04	.04	.03	.03	.04	.04	.04	.04	.04		.05	.04				.03	.02	.02	.03	.02	.03	.03	.034	20	.05
7	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03		.03	.03	.03	.02	.02	.02	.02	.02	.02	.022	23	.03
8	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.01		.02	.02	.02	.02	.02	.02	.02	.02	.02	.018	23	.02
9*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04		.04	.04	.03	.03	.03	.03	.03	.03	.03	.026	23	.04
10*	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	23	.03
11	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.05	.05	.04		.03	.03	.03	.03	.03	.03	.04	.03	.03	.029	23	.05
12	.03	.02	.02	.02	.02	.01	.02	.02	.03	.03	.03	.03	.03	.03		.03	.03	.03	.02	.02	.02	.02	.02	.03	.024	23	.04
13	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03			.03	.03	.03	.02	.0	03	.03	.03	.023	22	.04
14	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.04	.05	.04	.04	.04	.04	.05	.05	.035	23	.05
15	.05	.05	.05	.04	.04	.04	.04	.05	.06	.05	.05	.06	.06	.07			.05	.05	.06	.06	.05	.07	.05	.05	.052	22	.08
16*	.05	.05	.05	.05	.05	.05	.05	.05	.05	.06	.04	.03	.03	.03		.03	.03	.04	.03	.04	.04	.04	.04	.04	.043	23	.07
17*	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02		.03	.02	.03	.03	.03	.03	.02	.03	.03	.026	23	.03
18	.03	.03	.03	.03	.03	.02	.03	.03	.03	.04	.04	.04	.04	.03		.03	.03	.03	.02	.03	.02	.02	.02	.02	.029	23	.04
19	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02								.01	.01	.01	.019	17	.03
20	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.016	22	.03
21	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.024	23	.04
22	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.05	.04	.04	.03		.04	.04	.04	.04	.03	.03	.04	.04	.04	.035	23	.06
23*	.04	.04	.03	.03	.03	.04	.04	.05	.07	.08	.08	.07	.06	.05		.04	.04	.04	.04	.04	.04	.04	.04	.04	.046	23	.09
24*	.04	.04	.04	.04	.04	.03	.03	.04	.05	.04	.06	.06	.05	.06		.07	.07	.07	.05	.03	.03	.03	.03	.03	.044	23	.08
25	.03	.03	.02	.02	.02	.02	.03	.03	.04	.04	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.029	23	.04
26	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.04	.04	.04	.04	.04	.04	.04	.04	.033	23	.04
27	.04	.05	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05			.02	.01	.01	.01	.01	.01	.01	.01	.033	22	.06
28	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03			.03	.03	.03	.03	.02	.02	.02	.02	.021	22	.04
29	.02	.01	.02	.03	.03	.02	.02	.02	.03	.03	.03	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.022	22	.03
30*	.02	.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.018	23	.03
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03		.04	.03	.03	.03	.03	.03	.03	.03	.03	.032		
NO	29	29	29	29	29	29	29	29	29	30	30	29	30	30		22	28	29	29	29	29	30	30	29		665	
MAX	.05	.07	.07	.06	.05	.05	.05	.06	.08	.11	.08	.08	.06	.07		.07	.07	.08	.07	.07	.06	.07	.07	.05	.065		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED.. SEP. 10. 1969

Table 3-36

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

PHILADELPHIA, PA.

NITROGEN DIOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.027	23	.03
2	.03	.03	.03	.03	.02	.02	.03	.03	.04	.03	.03	.03	.03	.03				.03	.02	.02	.02	.03	.02	.01	.026	21	.04
3																											
4				.03	.02	.01	.01	.03	.03	.04	.03	.04	.03	.03				.01	.00						.023	13	.04
5																											
6	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02		.02	.03	.03	.03	.02	.02	.03	.03	.03	.022	23	.03
7*	.02	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.021	22	.03
8*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02		.02	.02	.02	.01	.01					.018	19	.03
9								.02	.02	.01	.02	.02	.01	.01			.03	.04	.03	.03	.03	.03	.03	.02	.023	15	.04
10	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.03	.03	.03	.03		.04	.04	.04	.04	.04	.04	.04	.04	.04	.032	23	.05
11	.04	.04	.04	.04	.04	.04	.03	.03	.02	.03	.04	.06	.05	.05			.09	.09	.09	.09	.08	.09	.08	.07	.056	22	.10
12	.05	.04	.04	.04	.04	.04	.04	.05	.06	.06	.04	.03	.01	.01											.039	14	.06
13																											
14*		.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03					.03	.03	.03	.03	.02	.02	.034	19	.04
15*	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.00	.02	.02	.02	.02	.02	.02	.02	.02	.03	.018	24	.03
16	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02		.03	.03	.03							.025	17	.03
17																											
18										.05	.05	.05	.05	.04		.04	.05	.06	.05	.05	.04	.05	.05	.05	.049	14	.06
19	.05	.05	.04	.04	.04	.04	.05	.06	.06	.06	.07	.06	.06	.05			.04	.04	.04	.04	.04	.04	.04	.04	.047	22	.07
20	.05	.04	.04	.04	.04	.04	.05	.06	.07	.07	.04	.03	.03	.03		.03	.03	.03	.03	.02	.02	.02	.02	.02	.037	23	.10
21*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.03	.03	.03	.03	.03	.03	.03	.03	.03	.024	23	.03
22*	.03	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.04	.03	.03	.03	.03	.03	.03	.030	23	.04
23	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.03	.03		.02	.02	.02	.02	.02	.02	.02	.02	.02	.024	23	.04
24	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02		.02	.03	.03	.02	.02	.02	.02	.03	.02	.019	23	.03
25	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02	.01	.01	.02	.02		.02	.03	.03	.03	.03	.03	.03	.03	.03	.022	23	.03
26	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.02	.03			.02	.02							.024	16	.03
27																											
28*		.03	.03	.03	.03	.03	.03	.03	.04	.03	.07	.09	.10	.10		.04	.04	.04	.05	.05	.05	.06	.05	.04	.048	22	.10
29*	.03	.03	.03	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03		.04	.04	.04	.04	.05	.05	.05	.05	.05	.035	23	.05
30	.04	.04	.05	.05	.05	.05	.04	.05	.05	.05	.04	.04	.04	.05		.05	.06	.06	.06	.06	.06	.06	.06	.07	.051	23	.07
31	.06	.06	.06	.05	.05	.05	.05	.05	.05	.04	.04	.04	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.041	23	.06
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	1	.03	.03	.03	.03	.03	.03	.04	.04	.03	.031	536	
NO	21	23	23	24	24	24	24	25	25	26	26	26	26	26		17	22	24	23	22	21	21	21	21			
MAX	.06	.06	.06	.05	.05	.05	.05	.06	.07	.07	.07	.09	.10	.10	.00	.05	.09	.09	.09	.09	.08	.09	.08	.07	.056		.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-37

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

PHILADELPHIA, PA.

SULFUR DIOXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.10	.08	.08	.08	.09	.11	.09	.05	.04	.04	.04	.04	.04	.04	.03	.04	.04	.05	.06	.07	.07	.09	.06	.08	.064	24	.15
2	.06	.08	.06	.08	.11	.13	.15	.18	.17	.26	.27	.40	.49	.44	.40	.39	.37	.43	.43	.38	.43	.41	.38	.53	.291	24	.57
3	.56	.50	.54	.57	.54	.55	.52	.41	.36	.34	.32						.13	.25	.13	.19	.21	.21	.18	.14	.349	16	.64
4	.14	.15	.17	.18	.20	.18	.15	.18	.20	.26	.29	.22	.24	.22	.17	.10	.08	.08	.07	.05	.05	.05	.04	.03	.145	24	.31
5	.03	.03	.03	.04	.03	.03	.03	.06	.07	.07	.05	.06						.07	.08	.10	.12	.12	.10	.11	.064	16	.15
6*	.21	.35	.42	.38	.33	.34	.30	.32	.50	.83	.63	.51	.67	.38	.25	.10	.08	.08	.08	.09	.12	.12	.13	.11	.305	24	.95
7*	.18	.32	.28	.28	.20	.16	.13	.11	.08	.05	.05	.05	.05	.04	.04	.04	.04	.06	.06	.05	.09	.06	.06	.07	.105	24	.36
8	.07	.08	.08	.09	.08	.10	.12	.14	.14	.12	.10	.07	.06	.05	.00	.02	.03	.04	.06	.06	.07	.08	.08	.07	.075	24	.16
9	.06	.07	.07	.05	.06	.10	.09	.08	.08	.09	.09	.11	.21	.62	.45	.47	.40	.29	.26	.19	.20	.36	.40	.25	.210	24	.70
10	.17	.13	.10	.14	.14	.16	.17	.22	.18	.12	.11	.09	.08	.07	.08	.08	.08	.13	.10	.13	.08	.07	.05	.04	.113	24	.24
11	.04	.07	.07	.06	.05	.07	.06	.06	.07			.11						.08	.10	.07	.07	.08	.08	.08	.072	17	.17
12	.12	.16	.14	.11	.08	.12	.12	.12	.14	.13	.12	.13	.10	.09	.08	.09	.11	.12	.13	.18	.17	.14	.16	.15	.125	24	.23
13*	.17	.15	.16	.16	.26	.29	.33	.36	.35	.32	.28	.31	.28	.22	.16	.14	.17	.15	.12	.11	.10	.15	.16	.16	.210	24	.40
14*	.14	.15	.17	.13	.06	.11	.10	.08	.09	.14	.12	.13	.15	.19	.09	.06	.06	.16	.15	.15	.05	.11	.09	.20	.120	24	.32
15	.56	.19	.07	.06	.05	.08	.36	.11	.11		.23	.20	.21	.30	.34	.18	.11	.09	.10	.13	.07	.04	.03	.03	.157	23	.66
16	.02	.03	.02	.02	.03	.03	.02	.03	.03	.03	.04	.04	.05	.05	.04	.07	.06	.08	.11	.12	.07	.06	.06	.07	.048	24	.13
17	.09	.09	.12	.13	.17	.13	.13	.17	.28	.22	.25	.36	.26	.19	.18	.29	.25	.28	.32	.30	.31	.40	.52	.31	.240	24	.67
18	.28	.28	.29	.37	.21	.18	.20	.32	.27	.28	.49	.70	.80	.45	.49	.43	.32	.42	.41	.34	.29	.29	.29	.32	.361	24	1.02
19	.32	.37	.45	.55	.48	.62	.61	.56	.73	.67	.74	.88	.50	.10	.09	.08	.11	.07	.06	.08	.08	.08	.05	.06	.348	24	1.10
20*	.08	.07	.10	.13	.17	.14	.15	.16	.19	.38	.32	.09	.06	.06	.05	.06	.06	.07	.10	.11	.09	.13	.16	.19	.130	24	.55
21*	.21	.23	.28	.37	.24	.19	.34	.39	.25	.18	.11	.06	.05	.05	.05	.04	.04	.06	.08	.10	.10	.10	.08	.09	.153	24	.65
22	.09	.08	.08	.07	.08	.10	.10	.12	.14	.23	.28	.32	.34	.16	.23	.20	.16	.11	.09	.19	.17	.14	.17	.10	.155	24	.51
23	.16	.09	.26	.30	.32	.14	.27	.27	.16	.24	.38	.44	.34	.31	.26	.20	.12	.11	.12	.12	.12	.08	.05	.07	.204	24	.57
24	.04	.04	.05	.05	.04	.04	.05	.06	.06	.06	.09	.05	.07	.06	.05	.05	.07	.07	.06	.03	.03	.04	.03	.02	.049	24	.12
25	.02	.02	.02	.02	.02	.02	.02	.03	.04	.03	.04	.04						.05	.06	.10	.10	.11	.10	.08	.047	19	.11
26	.10	.09	.12	.12	.08	.08	.09	.12	.17	.12	.06	.05	.04	.04	.04	.05	.06	.05	.10	.11	.10	.11	.13	.16	.090	24	.18
27*	.14	.14	.18	.18	.18	.23	.26	.30	.30	.30	.17	.13	.12	.12	.11	.09	.09	.12	.09	.10	.14	.13	.14	.15	.163	24	.38
28*	.19	.21	.19	.23	.27	.27	.28	.29	.30	.33	.46	.46	.52	.30	.15	.25	.27	.25	.28	.31	.23	.24	.29	.29	.285	24	.70
29	.19	.14	.13	.14	.15	.23	.25	.30	.26	.25	.16	.12	.09	.08	.08	.07	.06	.06	.04	.06	.05	.06	.05	.05	.127	24	.31
30	.07	.08	.08	.09	.13	.14	.19	.18	.21	.21	.21	.32	.28	.19	.19	.19	.17	.13	.14	.09	.07	.06	.06	.06	.146	24	.48
31	.06	.05	.05	.05	.06	.06	.07	.07	.09	.08	.13	.20	.13	.09	.09	.14	.10	.08	.05	.05	.07	.14	.15	.18	.093	24	.24
MEAN	.15	.15	.16	.17	.16	.16	.18	.19	.19	.22	.22	.22	.23	.18	.15	.14	.13	.13	.13	.13	.13	.14	.14	.14	.164		
NO	31	31	31	31	31	31	31	31	31	29	30	30	27	27	27	27	28	31	31	31	31	31	31	31		721	
MAX	.56	.50	.54	.57	.54	.62	.61	.56	.73	.83	.74	.88	.80	.62	.49	.47	.40	.43	.43	.38	.43	.41	.52	.53	.361		1.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-38

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

PHILADELPHIA, PA.

SULFUR DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX
1	.17	.11	.12	.13	.11	.08	.09	.14	.18	.19	.19	.15					.07	.05	.07	.08	.13	.19	.16	.20	.129	20	.24
2	.21	.25	.28	.23	.20	.25	.29	.25	.12	.09	.06					.05	.05	.04	.15	.15	.12	.05	.05	.07	.146	20	.32
3*	.06	.05	.05	.06	.07	.07	.08	.07	.07	.07	.07	.04	.05	.05	.06	.05	.05	.04	.05	.04	.04	.06	.05	.05	.055	24	.09
4*	.04	.04	.04	.05	.04	.04	.06	.05	.05	.04	.03	.03	.03	.03	.04	.03	.04	.03	.05	.05	.05	.04	.04	.04	.041	24	.07
5	.07	.08	.08	.11	.17	.19	.16	.15	.11	.10	.08	.06	.05	.05	.04	.04	.04	.06	.09	.09	.10	.10	.09	.10	.091	24	.20
6	.11	.10	.11	.11	.13	.13	.16	.15	.09	.07	.05	.04	.05	.05	.06	.05	.05	.06	.07	.09	.12	.14	.16	.14	.095	24	.18
7	.14	.17	.20	.20	.18	.24	.25	.27	.17	.11	.08	.11	.18	.15	.07			.09	.06	.06	.04	.03	.03	.03	.129	22	.30
8	.04	.04	.03	.03	.03	.03	.05	.06	.06	.06	.06	.06						.05	.06	.08	.07	.06	.05	.07	.052	19	.08
9	.05	.08	.08	.07	.11	.11	.15	.20	.13	.07	.08	.07	.05	.06	.05	.05	.06	.06	.06	.06	.07	.07	.07	.12	.081	24	.22
10*	.11	.08	.04	.04	.03	.04	.04	.04	.05	.06	.06	.05	.06	.06	.06	.06	.07	.07	.08	.07	.10	.08	.07	.09	.063	24	.15
11*	.09	.07	.07	.06	.07	.07	.07	.07	.07	.05	.08	.07	.07	.06	.06	.06	.06	.07	.08	.06	.07	.08	.10	.09	.070	24	.11
12	.11	.11	.14	.13	.13	.14	.16	.13	.09	.07	.08	.07	.06	.07	.07	.07	.08	.08	.08	.09	.09	.10	.09	.09	.095	24	.19
13	.08	.09	.10	.08	.09	.10	.11	.12	.09	.07	.03	.04	.04	.04	.04	.05	.05	.06	.07	.08	.09	.09	.09	.08	.074	24	.14
14	.09	.09	.08	.08	.09	.11	.14	.15				.09	.08	.07	.07	.07	.07	.08	.08	.09	.09	.10	.10	.11	.091	21	.15
15	.16	.15	.16	.11	.12	.13	.11	.12	.10	.07	.06	.05					.05	.05	.04	.05	.05	.07	.08	.08	.089	20	.20
16	.09	.09	.05	.03	.03	.06	.07	.07	.08	.10	.08	.10	.09	.18	.21	.14	.10	.12	.44	.16	.19	.62	.71	.47	.177	24	.82
17*	.58	.51	.46	.35	.40	.35	.54	.69	.53	.53	.26	.46	.10	.06	.04	.03	.02	.03	.03	.04	.03	.03	.04	.04	.256	24	.90
18*	.04	.03	.03	.05	.06	.08	.07	.06	.05	.04	.05	.04	.04	.05	.05	.04	.05	.05	.04	.05	.07	.07	.08	.08	.052	24	.08
19	.08	.09	.11	.12	.08	.09	.09	.12								.05	.07	.07	.07	.07	.11	.11	.09	.09	.088	17	.14
20	.08	.07	.07	.06	.09	.13	.17	.43	.29	.10	.07	.06	.07	.07	.07	.07	.06	.04	.03	.04	.05	.05	.05	.05	.094	24	.59
21											.05	.07	.02	.02	.02	.01	.01	.03	.03	.05	.04	.04	.04	.04	.033	14	.11
22	.04	.03	.04	.07	.09	.09	.10	.07	.06	.04	.04	.04	.04	.05	.04	.05	.05	.03	.03	.03	.03	.04	.04	.04	.049	24	.11
23	.08	.10	.10	.11	.12	.13	.09	.14	.10	.07	.04	.04			.04	.03	.04	.04	.04	.05	.07	.06	.07	.05	.072	22	.16
24*	.05	.03	.03	.04	.04	.07	.06	.06	.05	.04	.05	.06	.03	.02	.02	.02	.02	.02	.04	.03	.05	.05	.06	.05	.041	24	.08
25*	.04	.04	.05	.05	.05	.06	.06	.07	.07	.06	.03	.02	.02	.02	.02	.02	.02	.02	.05	.06	.04	.04	.04	.05	.041	24	.07
26	.05	.06	.05	.05	.05	.05	.05	.06	.06	.04	.06	.05	.03	.03	.03	.04	.03	.04	.04	.08	.13	.12	.10	.12	.059	24	.14
27	.21	.21	.28	.25	.23					.51	.29	.23	.21	.17		.19	.15	.21	.15	.16	.07	.19			.218	17	.60
28										.56	.42	.34	.10	.04	.04	.04	.04	.05	.07	.11	.13	.08	.30	.30	.174	15	.63
29	.14	.12			.16			.31	.19	.18	.19	.24					.08	.07	.06	.06	.05	.05	.05	.04	.124	16	.36
MEAN	.11	.11	.11	.10	.11	.11	.13	.15	.12	.13	.10	.10	.07	.06	.05	.05	.06	.06	.07	.07	.08	.10	.10	.10	.094		
NO	27	27	26	26	27	25	25	26	24	26	27	27	22	22	22	24	27	29	29	29	29	29	28	28		631	
MAX	.58	.51	.46	.35	.40	.35	.54	.69	.53	.56	.42	.46	.21	.18	.21	.19	.15	.21	.44	.16	.19	.62	.71	.47	.256		.90

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-39

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

PHILADELPHIA, PA.

SULFUR DIOXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.04		.04	.03	.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.03	.04	.06	.03	.03	.04	.04	.025	23	.05
2*	.04	.05	.05	.06	.08	.08	.10	.10	.07	.08		.22			.12	.05	.04	.04	.05	.05	.05	.05	.03	.03	.068	21	.34
3*	.03	.02	.02	.01	.02	.01	.02	.02	.04	.04	.03	.02	.02	.02	.02	.02	.02	.01	.01	.02	.06	.02	.03	.02	.023	24	.07
4	.04	.04	.03	.06	.08	.08	.10	.11	.08	.06	.06	.06	.05	.05	.05	.05	.05	.06	.07	.11	.05	.03	.04	.03	.056	24	.24
5	.04	.06	.07	.06	.06	.11	.13	.13	.09	.06	.04	.04	.03	.03	.04	.04	.05	.04	.05	.08	.10	.14	.12	.13	.072	24	.16
6	.16	.21	.26	.31	.25	.22	.19	.19	.17	.16	.19			.19	.11	.05	.04	.06	.17	.16	.18	.19	.08	.05	.162	22	.38
7	.06	.05	.03	.03	.04	.03	.04	.05	.04	.03	.04	.04					.04	.04	.04	.06	.09	.09	.12	.14	.054	20	.15
8	.15	.18	.22	.15	.20	.28	.34	.32	.29	.25	.37	.35	.31	.27	.22	.25	.26	.24	.24	.31	.44	.34	.33	.39	.279	24	.48
9*	.31	.36	.44	.31	.39	.30	.21	.29	.27	.29	.46	.51	.56	.56	.39	.27	.16	.14	.15	.19	.17	.13	.17	.23	.300	24	.69
10*	.20	.30	.30	.21	.18	.17	.23	.28	.26	.33	.29	.26	.34	.41	.16	.18	.15	.12	.13	.14	.16	.14	.17	.21	.221	24	.51
11	.19	.13	.08	.06	.05	.05	.04	.05	.04	.04	.04	.03	.03	.03	.03	.02	.03	.03	.04	.06	.08	.04	.05	.06	.054	24	.20
12	.06	.05	.06	.10	.27	.29	.17	.16	.17	.08	.14	.10	.14	.11	.12	.14	.10	.12	.10	.11	.11	.10	.15	.20	.130	24	.43
13	.26	.29	.22	.18	.13	.11	.14	.11	.07	.07	.07	.04	.05	.01	.01	.01		.01	.00	.00	.02	.02	.01	.02	.079	23	.32
14	.01	.00	.01	.00	.00	.04	.05	.06	.04	.02	.02	.02					.04	.03	.03	.04	.07	.07	.09	.12	.038	20	.15
15	.15	.17	.19	.16	.12	.23	.09	.11	.09	.04	.03	.03	.03	.02	.02	.02	.03	.04	.03	.04	.03	.05	.08	.04	.076	24	.28
16*	.04	.05	.09	.04	.10	.14	.12	.10	.12	.12	.08	.05	.05	.04	.03	.04	.04	.02	.03	.04	.04	.06	.09	.06	.065	24	.15
17*	.08	.11	.07	.04	.04	.09	.10	.11	.07	.06	.08	.07	.09	.04	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.050	24	.12
18	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.03	.04	.03	.04	.04	.03	.02	.03	.02	.02	.03	.03	.03	.03	.022	24	.04
19	.02	.04	.03	.03	.03	.04	.05	.06	.05	.04	.02	.03	.02	.03	.02	.03	.03	.02	.08	.08	.11	.22	.27	.22	.065	24	.31
20	.21	.26	.35	.20	.26	.21	.20	.30	.61	.62	.51	.19	.25	.21	.13	.08	.03	.03	.05	.04	.04	.07	.12	.13	.212	24	.72
21	.12	.17	.17	.27	.19	.21	.32	.60	.64	.56	.45	.50	.59	.65	.55	.48	.49	.46	.38	.26	.18	.14	.08	.10	.356	24	1.01
22	.16	.10	.17	.27	.21	.07	.08	.14	.20	.13	.11	.08						.19	.11	.19	.20	.16	.21	.20	.156	19	.38
23*	.20	.18	.16	.08	.04	.03	.02	.02	.08	.12	.26	.28	.04	.03	.03	.02	.03	.05	.03	.02	.02	.02	.02	.02	.076	24	.54
24*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.022	24	.04
25	.04	.06	.03	.02	.02	.02	.03	.05	.05	.05	.04	.05	.04	.05	.05			.04	.14	.06	.09	.09	.08	.22	.059	22	.29
26	.26	.28	.33	.16	.13	.18	.13	.12	.09	.05	.05	.05	.04	.03	.03	.03	.04	.10	.10	.09	.06	.03	.05	.07	.104	24	.35
27	.07	.10	.14	.37	.34	.17	.22	.29	.27	.19	.12	.09		.06	.03	.03	.07	.03	.02	.06	.12	.23	.16	.17	.144	23	.46
28	.22	.26	.17	.15	.22	.23	.17	.38	.60	.64	.53	.49	.54	.42	.48	.31									.362	16	.71
29												.23	.10	.15	.26	.32	.39	.55	.43	.11	.07	.07	.09	.07	.218	15	.74
30*	.05	.05	.07	.05	.04	.04	.04	.04	.03	.03	.03	.03	.03	.04	.04	.04	.03	.02	.03	.04	.04	.15	.21	.16	.055	24	.28
31*	.21	.34	.33	.43	.36	.31	.32	.39	.39	.38	.11	.05	.04	.04	.04	.04	.05	.07	.07	.07	.05	.05	.08	.04	.177	24	.54
MEAN	.11	.14	.14	.13	.13	.13	.12	.15	.17	.15	.15	.13	.14	.13	.11	.10	.08	.09	.09	.08	.09	.09	.10	.11	.119		
NO	30	29	30	30	30	30	30	30	30	30	29	30	25	27	28	27	27	30	30	30	30	30	30	30		702	
MAX	.31	.36	.44	.43	.36	.31	.34	.60	.64	.64	.53	.51	.59	.65	.55	.48	.49	.55	.43	.31	.44	.34	.33	.39	.362		1.01

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-40

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

PHILADELPHIA, PA.

SULFUR DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.16		.37	.41	.36	.45	.23	.07	.05	.05	.03	.03	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.06	.07	.113	23	.60
2	.09	.05	.06	.06	.07	.10	.09	.08	.03	.05	.05	.05	.04	.03	.02	.02	.02	.11	.22	.20	.23	.24	.65	.62	.130	24	.78
3	.49	.22	.24	.19	.46	.54	.30	.52	.48	.20	.19	.19	.13	.16			.05	.15	.23	.23	.32	.19	.16	.27	.268	22	.66
4	.13	.08	.17	.19	.11	.07	.06	.13	.32	.33	.25							.30	.40	.47	.16	.14	.17	.21	.205	18	.50
5	.09	.15	.15	.48	.37	.35	.17	.06	.04	.03	.02	.02					.01	.01	.01	.03	.02	.01	.01	.01	.102	20	.60
6*	.01	.02	.01	.02	.03	.03	.02	.02	.02	.04	.09	.11	.10	.09	.07	.07	.08	.16	.10	.03	.03	.04	.04	.08	.054	24	.19
7*	.09	.17	.22	.13	.13	.17	.24	.16	.17	.26	.17	.05	.03	.04	.06	.06	.05	.04	.03	.04	.04	.04	.04	.04	.102	24	.33
8	.04	.05	.04	.05	.04	.05	.08	.07	.15	.21	.11	.07	.14	.21	.23	.16	.43	.24	.18	.36	.27	.17	.24	.23	.159	24	.56
9	.20	.18	.20	.22	.21	.22	.17	.12	.04	.03	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.084	24	.25
10																											
11																											
12		.05	.07	.06	.17	.14	.12	.11	.07	.05	.03	.03	.04	.04	.06	.08	.18	.15	.12	.17	.13	.04	.18	.25	.101	23	.31
13*	.23	.18	.32	.18	.14	.15	.16	.13	.18	.24	.27	.28	.19	.17	.14	.11	.10	.07	.19	.15	.15	.14	.08	.07	.168	24	.43
14*	.09	.04	.04	.04	.04	.04	.08	.05	.07	.07	.11		.06	.05	.06	.04	.01	.00	.01	.01	.01	.01	.01	.02	.039	23	.16
15	.03	.10	.12	.10	.08	.05	.04	.03	.03	.04	.05	.05	.06	.04	.04	.02	.01	.01	.01	.01	.02	.02	.01	.01	.040	24	.15
16	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.04	.03	.04	.03	.05	.017	24	.05
17	.04	.02	.02	.02	.02	.03	.04	.05	.05	.07		.07	.02	.04	.03	.08	.07	.06	.06	.08	.05	.07	.14	.14	.054	23	.18
18	.12	.04	.03	.02	.04	.05	.08	.09	.07	.06	.03	.03					.13	.11	.13	.17	.18	.08	.16	.14	.087	20	.27
19	.19	.20	.22	.18	.15	.10	.08	.10	.11	.12	.29	.21	.17	.21	.10	.06	.18	.17	.08	.04	.03	.17	.14	.09	.140	24	.34
20*	.12	.10	.13	.12	.10	.07	.08	.08	.08	.08	.07	.06	.06	.05	.04	.03	.03	.06	.08	.11	.05	.12	.12	.06	.079	24	.20
21*	.03	.03	.03	.04	.03	.04	.04	.04	.05	.03	.11	.11	.22	.13	.25	.45	.49	.19	.09	.12	.09	.10	.20	.07	.123	24	.58
22	.09	.12	.06	.05	.04	.08	.08	.08	.09	.11	.17	.17	.11	.07	.06	.06	.08	.04	.04	.05	.06	.04	.05	.04	.075	24	.20
23	.04	.03	.06	.04	.04	.05	.07	.07	.07	.06	.06	.07	.07	.05	.06	.04	.04	.04	.03	.02	.03	.03	.03	.04	.046	24	.09
24	.03	.03	.03	.02	.03	.05	.07	.07	.08	.07	.06	.07	.02	.05	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02	.034	24	.10
25	.03	.02	.02	.01	.03	.03	.03	.02	.02	.01	.01	.01							.01	.01	.01	.02	.02	.03	.018	18	.03
26	.02	.04	.03	.03	.05	.04	.14	.23	.20	.20	.10	.14	.19	.11	.10	.10	.09	.01	.01	.02	.02	.02	.02	.02	.078	24	.38
27*	.02	.02	.02	.05	.05	.09	.17	.32	.28	.24	.13	.18	.23	.18	.03	.07	.08	.02	.01	.01	.01	.01	.02	.02	.093	24	.34
28*	.02	.02	.02	.04	.03	.03	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.03	.05	.015	24	.08
29	.06	.04	.04	.12	.12	.13	.25	.32	.17	.27		.17	.10	.08	.10	.05	.06	.02	.02	.03	.03	.03	.03	.03	.098	23	.44
30	.03	.04	.15	.12	.09	.07	.09	.18	.14	.13	.08	.10	.17	.14	.13	.12	.04	.03	.03	.03	.04	.08	.08	.11	.091	24	.20
MEAN	.09	.08	.10	.11	.11	.11	.11	.12	.11	.11	.10	.09	.09	.08	.07	.07	.09	.08	.08	.09	.07	.07	.10	.10	.093		
NO	27	27	28	28	28	28	28	28	28	28	26	26	24	24	23	23	26	27	28	28	28	28	28	28		645	
MAX	.49	.22	.37	.48	.46	.54	.30	.52	.48	.33	.29	.28	.23	.21	.25	.45	.49	.30	.40	.47	.32	.24	.65	.62	.268		.78

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-41

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.10	.09	.06	.04	.04	.05	.06	.06	.03	.03		.05	.02	.02	.01	.01	.01	.01	.01	.01	.02	.05	.03	.01	.035	23	.15
2	.01	.03	.03	.03	.09	.03	.04	.03	.04	.03	.02					.01	.01	.00	.00	.03	.03	.03	.03	.03	.024	20	.05
3	.02	.11	.09	.11	.12	.05	.07	.27	.26	.35	.32	.27	.21	.15	.06	.13	.04	.08	.09	.02	.04	.09	.08	.16	.132	24	.40
4*	.13	.03	.03	.02	.02	.02	.01	.02	.01	.01	.02	.02	.02	.01	.01	.02	.01	.01	.01	.01	.03	.03	.02	.01	.022	24	.20
5*	.01	.01	.01	.01	.01	.01	.01	.02	.05	.16	.09	.06	.04	.04	.05	.05	.09	.07	.06	.08	.06	.05	.05	.04	.047	24	.19
6	.04	.03	.03	.03	.03	.04	.05	.05	.05					.06	.05	.04	.05	.06	.07	.07	.07	.07	.07	.07	.051	20	.07
7	.08	.07	.08	.08	.06	.09	.09	.10	.09	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06	.08	.10	.09	.068	24	.11
8	.06	.07	.06	.08	.13	.24	.20	.12	.07	.06	.07	.05	.05		.09	.05	.05	.07	.08	.06	.06	.06	.06	.06	.082	23	.25
9	.17	.16	.07	.06	.10	.10	.10	.23	.25	.16						.10	.12	.21	.25	.06	.05	.06	.12	.11	.130	19	.36
10	.17	.15	.14	.19	.20	.14	.13	.13	.10	.08	.05	.04	.03	.03	.04	.03	.04	.04	.04	.05	.05	.06	.06	.07	.085	24	.25
11*	.09	.09	.08	.07	.07	.10	.12	.13	.20	.11	.06	.05	.06	.12	.11	.07	.06	.06	.08	.09	.09	.07	.06	.05	.087	24	.22
12*	.05	.06	.08	.07	.10	.08	.12	.14	.12	.12	.14	.21	.16	.14	.14	.11	.08	.05	.08	.11	.13	.09	.09	.09	.106	24	.28
13	.09	.11	.08	.08	.08	.07	.07	.11	.11	.06	.07	.10	.10	.06	.05	.06	.04	.03	.04	.03	.03	.03	.03	.03	.065	24	.14
14	.06	.05	.06	.06	.08	.17	.12	.08	.10	.05	.09	.07	.06	.04	.03	.04	.04	.05	.04	.05	.05	.07	.07	.07	.065	24	.19
15	.10	.09	.07	.09	.10	.14	.15	.14	.12	.11	.15	.10	.08	.07	.10	.09	.11	.11	.08	.06	.05	.05	.06	.06	.095	24	.20
16																											
17																											
18*																											
19*																											
20																											
21	.04	.04	.04	.04	.04	.05	.06									.06	.04	.04	.05	.05	.04	.05	.04	.05	.045	16	.08
22	.06	.06	.06	.07	.07	.07	.08	.08	.07	.07	.05	.04	.03	.03	.03	.03	.03	.03	.02	.03	.03	.04	.04	.06	.048	24	.10
23	.08	.08	.10	.08	.12	.15	.14	.26	.33	.41	.37	.30	.27	.14	.14										.196	15	.52
24																											
25*																											
26*																											
27									.04	.04	.02	.02	.04	.03	.05	.05	.10	.08	.08	.04	.03	.04	.04	.04	.045	16	.18
28	.04	.02	.03	.03	.05	.03	.03	.05	.03	.03	.05	.05	.05	.05	.04	.03	.12	.09	.08	.05	.05	.03	.02	.02	.045	24	.20
29	.02	.02	.05	.06	.08	.02	.04	.06	.09	.10	.10	.15	.05	.20	.18	.17	.05	.02	.02	.04	.01	.00	.01	.02	.065	24	.33
30	.01	.04	.02	.02	.02	.02	.01	.08	.10	.10	.03	.02	.02	.02	.02	.01	.04	.05	.04	.08	.07	.09	.11	.03	.043	24	.18
31	.02	.00	.00	.00	.01	.01	.02	.02	.01	.03	.03	.03	.03	.02	.02	.03	.02	.02	.01	.02	.02	.02	.02	.02	.017	24	.05
MEAN	.07	.06	.06	.06	.07	.07	.08	.10	.10	.10	.09	.09	.07	.07	.06	.06	.05	.06	.06	.05	.05	.05	.05	.05	.068		
NO.	22	22	22	22	22	22	22	21	22	21	19	19	19	19	20	22	22	22	22	22	22	22	22	22		512	
MAX	.17	.16	.14	.19	.20	.24	.20	.27	.33	.41	.37	.30	.27	.20	.18	.17	.12	.21	.25	.11	.13	.09	.12	.16	.196		.52

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-42

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JUNE 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.02	.01	.02	.02	.02	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.08	.09	.08	.03	.06	.14	.02	.03	.02	.035	24	.20
2*	.03	.02	.02	.04	.02	.02	.01	.02	.02	.09	.15	.21	.17	.03	.02	.05	.03	.05	.13	.02	.05	.05	.05	.06	.056	24	.28
3	.08		.12	.16	.16	.26	.24	.36	.31	.23	.20	.10	.03	.09	.00	.01	.01	.02	.02	.01					.125	19	.60
4																											
5		.08	.09	.09	.12	.16	.19	.10	.06	.02	.04	.04	.07	.05				.01			.07	.15	.08	.10	.083	18	.23
6	.08	.07	.07	.08	.08	.10	.08	.08	.15	.04	.01	.12	.01		.01	.01	.01	.20	.16	.07	.11	.09	.11	.02	.076	23	.29
7	.01	.01	.03	.03	.04	.06	.09	.24	.43	.21	.29	.22	.12	.13	.20	.14	.21	.20	.08	.16	.20	.03	.20	.08	.142	24	.64
8*	.07	.13	.05	.05	.03	.00	.00	.01				.08	.11	.09	.02	.04	.02	.02							.047	15	.22
9*	.08	.01	.01	.05	.04	.00	.02	.09	.15	.06	.02	.06	.05	.05	.08	.05	.05	.05	.08	.01	.05	.19	.12	.08	.059	24	.31
10	.09	.05	.11	.06			.01	.01	.02	.12	.09	.13	.14	.09	.08	.04									.073	14	.28
11									.06	.10	.03	.02	.00	.05	.05	.01	.02	.02	.01	.01	.02	.01	.01	.01	.027	18	.16
12																											
13																											
14																											
15*		.08	.08	.02	.03	.07	.33	.46	.22	.15	.13	.19	.15	.13	.12	.17	.14	.23	.11	.10	.04	.01		.01	.135	22	.62
16*	.01	.01	.01	.03	.03	.04	.08	.04	.01	.10	.01	.01	.01	.01	.01	.01		.00		.01	.03	.02			.025	20	.26
17										.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.02	.03	.04	.03	.027	15	.05
18	.02	.01	.01	.02	.02	.01	.03	.03	.02	.01	.01	.03	.09	.05	.08	.09	.04	.05	.05	.04	.02	.01	.01	.01	.030	24	.18
19	.01	.01	.01	.02	.04	.08	.05	.19	.17	.18		.03	.03	.03	.03	.13	.04	.02	.02	.02	.09	.22	.26	.21	.082	23	.74
20	.02	.02	.02	.02	.03	.04	.03	.02	.02	.03	.04	.04	.04	.05	.04	.04	.03	.03	.03	.04	.03	.04	.03	.06	.033	24	.10
21	.04	.03	.03	.04	.04	.05	.05	.03	.03	.02	.01	.01	.01	.01	.01	.01	.01	.02	.06	.09	.07	.06	.11	.13	.040	24	.20
22*	.18	.24	.31	.23	.03	.03	.09	.34	.25	.19	.23	.15	.15	.24	.16		.19	.22	.24	.30	.11	.07	.03	.02	.172	23	.51
23*	.02	.02	.02	.02	.03	.02	.02	.02	.02	.01	.02	.02	.02	.02	.01	.01	.02	.01	.02	.02	.02	.04	.07	.08	.024	24	.20
24	.17	.19	.22	.15	.11	.09	.08	.08	.05	.04	.03	.03	.03	.03	.03	.02	.06	.04	.06	.07	.06	.03	.06	.17	.077	24	.28
25	.24	.12	.08	.06	.09	.06	.08	.05	.05	.04	.04	.04	.04	.04	.03	.03	.08	.05	.02	.02	.05	.14	.08	.09	.067	24	.40
26	.05	.06	.06	.03	.03	.08	.43	.29	.14		.04	.03	.03	.03	.03	.03	.08	.06	.11	.14	.10	.11	.06	.06	.090	23	.52
27	.04	.04	.04	.09	.10	.07	.07	.05	.06	.05	.07				.09							.07	.05	.06	.063	15	.19
28	.05	.11	.15	.04	.03	.03	.03	.03	.03	.04	.07	.07	.05	.04	.04	.04	.04	.03	.02	.03	.03	.02	.02	.02	.044	24	.19
29*	.02	.02	.02	.02	.02	.05	.28	.19	.35	.29	.27	.19	.11	.11	.08	.09	.20	.08	.11	.32	.10	.05	.19	.21	.140	24	.63
30*	.11	.10	.12	.07	.07	.03	.03	.02	.02	.01	.01	.01	.01							.01	.03	.07	.09	.05	.047	18	.27
MEAN	.07	.06	.07	.06	.05	.06	.10	.12	.11	.09	.08	.07	.06	.06	.05	.05	.07	.07	.07	.07	.06	.07	.08	.07	.071		
NO	22	23	24	24	23	23	24	24	24	24	24	25	25	23	24	22	21	23	20	22	22	23	21	22		552	
MAX	.24	.24	.31	.23	.16	.26	.43	.46	.43	.29	.29	.22	.17	.24	.20	.17	.21	.23	.24	.32	.20	.22	.26	.21	.172		.74

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-43

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.03	.02	.03	.05	.05	.06	.07	.03	.03	.02	.02	.02	.01	.02	.02	.01	.01	.07	.22	.11	.04	.02	.16	.49	.066	24	.67
2	.30	.12	.04	.03	.03	.03	.04	.03	.03	.06	.05	.03	.03	.05	.02	.02	.02	.02	.02	.05	.09	.13	.08	.09	.058	24	.68
3	.23	.13	.15	.13	.11	.04	.04	.04			.03	.14	.11	.05	.04	.03	.06	.04	.06	.08	.04	.04	.05	.03	.074	22	.48
4	.03	.05	.06	.10	.06	.06	.03	.02		.01	.10	.03	.02	.01	.03	.20	.07	.05	.03	.03	.03	.04	.02	.02	.046	23	.49
5	.06	.05	.04	.03	.04	.05	.04	.03	.01	.01	.01	.01	.01	.03	.07	.12	.08	.07	.05	.07	.07	.13	.02	.02	.047	24	.25
6*	.03	.12	.16	.07	.16	.22	.25	.05	.04	.24	.18	.06	.03	.05	.13	.09	.05	.05	.06	.10	.09	.08	.09	.05	.101	24	.32
7*	.04	.03	.03	.03	.06	.06	.04	.03	.08	.19		.06	.11	.09	.13	.16	.14	.13	.21	.10	.11	.17	.06	.10	.093	23	.39
8	.13	.24	.26	.18	.20	.18	.23	.14	.17	.17	.14	.09	.09	.05	.04	.04	.02	.01	.01	.01	.01	.01	.00	.00	.101	24	.37
9	.05	.16	.21	.07	.03	.13	.25	.15	.23	.25	.07	.00	.00	.00	.00	.00					.00	.00	.01	.01	.083	20	.36
10	.01	.02	.06	.02	.00	.01	.04	.01	.01	.04	.08	.04	.11	.02	.03	.06	.06	.07	.09	.06	.04	.06	.08	.07	.045	24	.17
11	.01	.02	.00	.04	.12	.24	.29	.13	.14	.21				.04	.02	.01	.02	.03	.01	.03	.05	.03	.02	.06	.071	21	.45
12	.07	.12	.12	.06	.05	.04	.06	.05			.41	.30	.30	.11	.02	.01	.04	.02	.04				.05	.12	.104	19	.52
13*	.15	.12	.09	.04	.02	.03	.05	.10	.31	.30	.35	.30	.20	.11	.10	.09	.10	.02	.04		.05	.09		.03	.122	22	.42
14*	.09	.09	.07	.09	.11	.08	.09	.13	.21	.19	.20	.11	.04	.04	.05	.04									.100	16	.24
15	.04	.03			.04	.07	.07	.06	.07	.11	.04	.05	.14	.14			.14	.11	.05	.16	.06	.09	.10	.04	.080	20	.40
16	.03	.03	.03	.04	.04	.04	.07	.06	.06		.03	.03	.03	.02				.03	.03	.02	.02	.03	.03	.05	.034	20	.09
17	.03	.02	.03	.05	.05	.07	.13	.08	.04		.02	.02	.06	.07				.07	.22	.15	.16	.27	.19	.18	.095	20	.42
18																											
19		.15	.06	.01					.03	.04			.05	.04	.16	.04	.02	.03	.05	.02	.02	.02	.02	.03	.046	17	.32
20*	.04	.02	.02	.02	.02	.01	.03	.03	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.016	24	.04
21*	.03	.03	.03	.03	.04	.04	.04	.04	.03	.01	.05	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.05	.29	.37	.048	24	.48
22	.24	.12	.07	.15	.18	.35	.38	.35		.08	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.18	.098	23	.45
23	.05	.07	.17	.11	.21	.07	.04	.03	.04	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.13	.09	.05	.049	24	.34
24	.04	.04	.05	.09	.18	.23	.24	.59				.09	.07	.11	.09	.01	.03	.04	.03					.01	.112	17	.81
25	.02	.06	.02	.03	.04	.02	.03	.01	.01	.01		.04	.04	.02	.02	.02	.02	.02	.03	.03	.02	.03	.02	.02	.025	23	.09
26	.02	.02	.01	.01	.01	.01	.02	.02	.02	.01	.06	.02	.01	.01	.01	.01	.01	.02	.02			.01	.02	.01	.016	22	.11
27*	.01	.01	.05	.13	.07	.03	.01	.02	.01	.01	.01	.00	.01	.00	.00	.01	.00	.00	.00			.00	.00		.018	21	.18
28*																											
29		.00	.00	.00	.01	.01	.00	.00	.00	.01	.01	.00	.00									.00	.00	.00	.003	15	.02
30	.01	.01	.01	.01	.01	.01	.01	.01	.06	.07	.01	.02	.02	.04	.01	.01	.01	.01	.01	.02	.03	.03	.02	.04	.019	24	.10
31	.05	.06	.09	.05	.03	.01	.01	.02	.01			.03	.02	.00	.01								.00	.00	.026	15	.15
MEAN	.07	.07	.07	.06	.07	.08	.09	.08	.07	.09	.08	.06	.05	.04	.04	.04	.04	.04	.05	.05	.04	.06	.06	.08	.062		
NO.	27	29	28	28	28	28	28	28	24	23	23	27	28	28	25	24	23	25	25	20	22	25	26	27		619	
MAX.	.30	.24	.26	.18	.21	.35	.38	.59	.31	.30	.41	.30	.30	.14	.16	.20	.14	.13	.22	.16	.16	.27	.29	.49	.122		.81

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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#704

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-44

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

PHILADELPHIA, PA.

SULFUR DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX
1																								.01	.028	16	.13
2	.10	.04	.05	.08	.03	.01	.01	.01	.02	.02	.01	.02	.01	.02			.01								.071	22	.25
3*	.01	.04	.07	.14	.09	.06	.05	.12	.06	.04	.01	.10	.07	.08	.03			.01	.13	.10	.08	.15	.07	.07	.032	21	.18
4*	.12	.14	.11	.10	.10	.04	.01	.01	.00	.01	.01	.01	.00	.00	.00				.00	.01	.00	.01	.00	.01	.016	22	.09
5	.02	.01	.01	.01	.01	.01	.01	.04	.05	.02	.00	.02	.02	.04	.05	.02	.01	.01	.01	.00	.01	.00					
6					.00	.00	.00	.00	.00	.02	.00	.03	.09	.07	.10	.10	.13	.20	.18	.12	.03	.00	.04	.01	.056	20	.42
7	.00	.00	.03	.01	.00	.01	.05	.03	.01	.00	.00	.00			.00	.00	.00	.00	.00	.01	.02	.01	.00	.00	.007	22	.10
8	.01	.01	.02		.05	.04	.04	.02	.00	.00	.00	.00	.00		.01	.01	.00	.00	.00	.01	.01	.05	.17	.15	.026	22	.27
9	.29	.27	.28	.31	.50	.43	.39	.28	.34	.32	.16	.17	.13	.15	.21	.04	.02	.07	.12	.15	.08	.15	.09	.04	.207	24	.67
10*	.03	.02	.02	.01	.02	.03	.04	.05	.04	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.019	24	.06
11*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.00	.01	.00	.00	.01	.01	.03	.04	.010	24	.05
12	.03	.03	.03	.06	.06	.04	.05	.04	.03	.10	.14	.10	.09	.07	.07	.05	.06	.05	.02	.02	.02	.03	.07	.18	.059	24	.40
13	.34	.37	.40	.35	.25	.25	.54		.50	.27	.13	.13	.10	.09	.08	.04	.14	.08	.02	.01	.01	.01	.04	.08	.184	23	.82
14	.07	.17	.11	.02	.04	.07	.19	.08	.05		.02	.02	.01	.01	.01	.01	.01	.01	.01			.02	.01	.01	.045	21	.33
15	.01	.01	.03	.02	.01	.01	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.02	.01	.01	.01	.02	.04	.04	.015	23	.05
16	.06	.14	.12	.11	.08	.13	.10	.08	.05	.03	.06	.03	.02	.04	.05	.02	.01	.01	.01	.01	.01	.25	.33	.21	.081	24	.47
17*	.19	.14	.04	.03	.08	.02	.01	.01	.02	.13	.11	.01	.01	.00		.07	.01	.02	.05	.07	.07	.06	.08	.04	.055	23	.28
18*	.04	.04	.06	.05	.04	.02	.01	.01	.01	.00	.00	.00	.04	.07	.05	.01	.00	.00	.00	.04	.05	.11	.07	.03	.031	24	.17
19	.01	.02	.02	.01	.00	.01	.01	.06	.07	.05	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.015	24	.16
20	.01	.04	.04	.00	.01	.05	.19	.28	.26	.43	.27	.24	.24	.14	.16	.21	.26	.27	.23	.27		.24	.06	.02	.172	23	.51
21	.01	.00	.00	.00	.00	.01	.02	.02	.01	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.003	22	.03
22	.01	.01	.02	.04	.08	.06	.05	.04	.01	.00		.03	.03	.15		.14	.16	.28	.01	.01		.21	.14	.03	.070	21	.50
23	.05	.06	.17	.01	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.05	.00	.00	.00	.00	.00	.04	.04	.019	24	.37
24*	.00	.00	.01	.05	.04	.11	.14			.27	.21	.32	.19	.11	.05	.04	.01	.02	.09	.11	.02	.00	.06	.07	.087	22	.53
25*					.07			.01	.00	.01	.00	.01	.04	.00	.00	.00	.00	.02	.05	.14	.10	.05	.01	.01	.028	18	.30
26	.01	.01	.02	.02	.04	.02	.02	.01	.01			.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.007	22	.05
27	.02	.03	.02	.01	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.006	24	.04
28	.01	.01	.01					.01	.01	.00				.00	.01	.00	.00	.01	.01	.00	.00	.01	.01	.02	.006	17	.03
29	.01	.02	.02	.01	.00	.00	.01	.02	.01	.00	.00	.00		.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.012	23	.05
30	.02	.06	.07	.05	.05	.05	.06	.05	.04	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.04	.09	.11	.034	24	.19
31*	.09	.10	.08	.06	.08	.08	.13	.14	.08	.05	.06	.09	.09	.04	.03	.05	.04	.02	.01	.00	.00	.01	.08	.13	.063	24	.18
MEAN	.05	.06	.07	.06	.06	.06	.08	.05	.06	.07	.05	.05	.05	.04	.04	.03	.03	.04	.03	.04	.02	.05	.06	.05	.050		
NO	28	28	28	26	29	28	28	28	29	28	27	27	26	28	27	27	28	28	29	28	26	29	28	29		667	
MAX	.34	.37	.40	.35	.50	.43	.54	.28	.50	.43	.27	.32	.24	.15	.21	.27	.26	.28	.23	.27	.10	.25	.33	.21	.207		.82

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-45

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.12	.08	.12	.09	.05	.07	.10	.14	.22	.09	.00	.01	.00	.00	.01	.01	.01	.00	.01	.02	.03	.06	.11	.09	.060	24	.31
2	.03	.01	.01	.01	.02	.03	.06	.18	.08	.06	.03	.00	.03	.01	.03	.02	.00	.01	.00	.00	.00	.03	.05	.05	.030	24	.23
3	.04	.05	.05	.03	.04	.04	.02	.07	.12	.13	.07	.02	.02	.06	.02	.00	.00	.00	.00	.01	.02	.08	.17	.12	.049	24	.20
4	.09	.08	.08	.04	.04	.03	.07	.09	.12	.05	.03	.01	.00	.00	.00	.00	.00	.00	.00	.03	.02	.02	.03	.01	.034	24	.18
5	.02	.05	.05	.07	.07	.02	.03	.04	.04	.02		.00	.02	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.019	23	.14
6	.00	.00	.00	.02	.11	.12	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.02	.017	24	.15
7*	.01	.02	.03	.02	.03	.08	.09	.08	.06	.02	.00		.01	.01	.00	.00	.01	.01	.01	.02	.02	.03	.03	.05	.027	23	.11
8*	.05	.06	.06	.08	.05	.03	.02	.07	.08	.23	.18	.07	.05	.08	.05	.03	.04	.05	.04	.02	.04	.18	.13	.06	.072	24	.36
9	.03	.04	.07	.06	.06	.12	.16	.21	.21	.04	.04	.05	.05	.02	.02	.02	.02	.01	.01	.01	.01	.01	.00	.01	.053	24	.25
10	.01	.01	.01	.01	.02	.07	.07	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00	.00	.012	24	.12
11	.02	.04	.01	.02	.03	.01	.01	.01	.01	.01			.01	.02	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.014	22	.08
12	.01	.01	.02	.02	.03	.03	.03	.02	.01	.01			.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.011	22	.04
13	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.00	.01	.00	.01	.01	.01	.01	.01	.03	.11	.014	24	.13
14*	.08	.07	.03	.05	.06	.04	.04	.08	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.04	.02	.02	.02	.02	.026	24	.10
15*	.04	.05	.04	.03	.03	.03	.05	.06	.06	.20	.12	.03	.03	.03	.02	.04	.02	.02	.01	.00	.03	.01	.05	.05	.043	24	.26
16	.03	.01	.02	.04	.08	.05	.05	.07	.13	.11	.09	.05	.04	.02	.01	.01	.01	.03	.03	.01	.01	.02	.01	.02	.040	24	.14
17	.04	.03	.05	.07	.05	.04	.04	.08	.10	.16	.26	.26	.12	.07	.09	.07	.06	.02	.01	.01	.02	.04	.08	.01	.072	24	.28
18	.02	.03	.06	.06	.05	.04	.04	.07	.09	.09	.09	.08	.05	.01	.00	.00	.00	.00	.00	.00	.01	.02	.05	.05	.037	24	.13
19	.07	.11	.06	.02	.04	.05	.05	.05	.05	.07	.09	.10	.00		.03	.02	.04	.02	.01	.04	.05	.03	.05	.05	.048	23	.19
20	.05	.13	.17	.21	.16	.16	.12	.18	.12	.09	.04	.03	.05	.05	.04	.05	.06	.03	.02	.07	.08	.05	.04	.04	.084	24	.26
21*	.06	.05	.06	.05	.07	.12	.13	.13	.07	.03	.03	.07	.10	.12	.13	.10	.06	.05	.02	.01	.06	.06	.04	.07	.070	24	.22
22*	.06	.05	.05	.04	.03	.03	.04	.07	.06	.04	.02	.01	.01	.01	.01	.02	.01	.01	.01	.02	.02	.02	.02	.10	.031	24	.18
23	.10	.02	.02	.04	.03	.05	.08	.08	.05	.05	.03	.01	.01	.00	.00	.01	.10	.05	.03	.02	.02	.02	.02	.02	.036	24	.24
24	.02	.02	.03	.04	.04	.05	.06	.07	.06	.18	.14	.17	.06	.10	.09	.12	.09	.05	.02	.00	.00	.08	.28	.36	.088	24	.45
25																											
26																											
27		.02	.01	.01	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02	.03	.03	.06	.08	.025	23	.09
28*	.04	.03	.03	.05	.06	.06	.06	.06	.05	.03	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.04	.031	24	.07
29*	.03	.03	.03	.03	.04	.05	.07	.08	.05	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.03	.028	24	.10
30	.02	.04	.03	.02	.02	.03	.05	.05	.04	.04	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.03	.03	.03	.03	.030	24	.06
MEAN	.04	.04	.04	.04	.05	.05	.06	.07	.07	.06	.05	.04	.03	.03	.02	.02	.02	.02	.01	.02	.02	.03	.05	.05	.040		
NO.	27	28	28	28	28	28	28	28	28	28	25	25	28	27	28	28	28	28	28	28	28	28	28	28		664	
MAX	.12	.13	.17	.21	.16	.16	.16	.21	.22	.23	.26	.26	.12	.12	.13	.12	.10	.05	.04	.07	.08	.18	.28	.36	.088		.45

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

ARCHIVES VERSION COPY

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-46

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

PHILADELPHIA, PA.

SULFUR DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.03	.03	.04	.04	.04	.10	.07	.07	.09	.05	.03	.03	.03	.03	.03	.02	.03	.03	.04	.07	.13	.09	.07	.09	.053	24	.26
2	.14	.22	.13	.12	.13	.13	.19	.16	.21	.27	.10	.02	.02	.01	.01	.01	.01	.02	.02	.03	.02	.02	.02	.02	.084	24	.32
3	.02	.04	.03	.03	.06	.02	.02	.06	.15	.15			.08	.11	.03	.02	.02	.03	.15	.18	.03	.02	.02	.02	.059	22	.33
4	.01	.01	.02	.02	.01	.02	.02	.02	.02	.02	.02	.01	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.016	24	.02
5*	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.04	.05	.04	.023	24	.06
6*	.04	.05	.07	.09	.12	.08	.07	.08	.09	.13	.04	.03	.02	.02	.02	.02	.01	.02	.07	.08	.09	.07	.02	.02	.056	24	.20
7	.02	.03	.01	.03	.03	.03	.04	.03	.03	.01	.02	.02	.01	.01	.01	.01	.01	.01	.02	.01	.02	.03	.02	.02	.019	24	.05
8	.03	.05	.03	.06	.06	.05	.05	.03	.02	.02	.02	.01	.02	.02	.01	.01	.01	.01	.07	.03	.03	.04	.06	.05	.033	24	.12
9	.05	.05	.05	.05	.04	.05	.08	.10	.09	.14	.17	.12	.04		.02	.01	.01	.01	.01	.00	.00	.02	.01	.01	.048	23	.22
10	.02	.03	.06	.06	.08	.09	.13	.14	.07	.02	.01			.01	.01	.01	.04	.03	.02	.02	.01	.00	.01	.02	.039	22	.14
11	.01	.01	.02	.03	.06	.10	.11	.10	.06	.06	.10	.14	.15	.15	.16	.19	.21	.13	.10	.11	.06	.05	.04	.04	.091	24	.26
12*	.06	.06	.02	.01	.01	.02	.05	.02	.06	.09	.09	.05	.04	.05	.13	.16	.09	.06	.04	.01	.02	.10	.12	.08	.060	24	.21
13*	.14	.18	.25	.19	.10	.06	.04	.03	.03	.03	.03	.04	.09	.21	.16	.27	.12	.08	.13	.15	.11	.12	.09	.07	.112	24	.41
14	.09	.05	.05	.04	.04	.10	.13	.17	.10	.03	.05			.02	.04	.04	.03	.04	.03	.05	.05	.02	.01	.01	.054	22	.22
15	.02	.02	.02	.02	.03	.07	.13	.15	.13	.03	.10	.37	.24	.08	.06	.06	.07	.04	.02	.03	.04	.04	.04	.04	.076	24	.44
16	.04	.03	.03	.04	.04	.06	.11	.11	.14	.10	.11	.08	.26	.15	.07	.03	.01	.03	.07	.12	.04	.01	.01	.06	.072	24	.39
17	.11	.07	.06	.05	.04	.04	.07	.15	.23	.25	.11	.17	.08			.01	.00	.00	.00	.00	.00	.00	.00	.03	.067	22	.30
18	.02	.01	.01	.02	.02	.08	.06	.06	.04	.05	.03	.00	.00	.00	.00	.00	.00	.00	.02	.03	.02	.03	.04	.02	.023	24	.10
19*	.00	.01	.03	.05	.05	.07	.10	.07	.04	.01	.00	.04	.05	.08	.00	.02	.00	.01	.01	.01	.00	.00	.00	.00	.028	24	.19
20*	.00	.00	.00	.01	.03	.01	.01	.01	.01	.01	.01	.01	.00	.01	.00	.00	.00	.01	.02	.02	.02	.02	.03	.03	.010	24	.03
21	.04	.02	.01	.00	.02	.01	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02	.02	.02	.013	24	.04
22	.02	.02	.03	.04	.07	.08	.08	.16	.10	.03	.08	.15	.11	.13	.06										.077	15	.23
23				.10	.20	.04		.02	.04	.02	.00	.01	.00	.00	.00	.01	.01	.01	.02	.04	.03	.05	.05	.03	.033	20	.34
24	.02	.03	.03	.02	.08	.10	.10	.10	.10	.09	.09	.05		.05	.06	.06	.06	.05	.04	.04	.03	.01	.02	.05	.055	23	.13
25	.02	.01	.01	.02	.02	.03	.05	.06	.03	.02	.01	.01	.02	.02	.01	.01	.02	.03	.04	.03	.03	.03	.03	.03	.024	24	.06
26*	.02	.02	.02	.02	.03	.03	.02	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.02	.02	.02	.02	.04	.016	24	.05
27*	.02	.02	.03	.03	.04	.04	.05	.07	.04	.02	.02	.01	.03	.11	.10	.10	.18	.06	.02	.02	.02	.04	.02	.02	.046	24	.26
28	.01	.02	.01	.02	.18	.22	.12	.09	.09	.06	.06	.20	.23	.17	.07	.06	.03	.03	.04	.05	.01	.03	.04	.03	.077	24	.26
29	.02	.02	.03	.04	.05	.05	.04	.05	.03	.03	.02	.02	.01	.00	.00	.00	.02	.02	.03	.03	.03	.04	.04	.04	.027	24	.05
30	.03	.03	.03	.03	.04	.04	.06	.05		.02	.02	.02	.02	.02	.02	.02	.02	.02	.05	.03	.04	.06	.04	.05	.032	23	.07
31	.05	.06	.07	.07	.04	.05	.08	.09	.06	.03	.01		.01	.01	.01	.01	.02	.04	.04	.04	.05	.06	.07	.12	.047	23	.19
MEAN	.04	.04	.04	.04	.06	.06	.07	.07	.07	.06	.05	.06	.06	.05	.04	.04	.04	.03	.04	.04	.03	.04	.03	.04	.047		
NO.	30	30	30	31	31	31	30	31	30	31	30	27	28	29	30	30	30	30	30	30	30	30	30	30		719	
MAX	.14	.22	.25	.19	.20	.22	.19	.17	.23	.27	.17	.37	.26	.21	.16	.27	.21	.13	.15	.18	.13	.12	.12	.12	.112		.44

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-47

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA, PA.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.13	.11	.09	.11	.11	.15	.16	.21	.26	.32	.36	.22	.19	.13	.23	.22	.22	.17	.14	.20	.16	.17	.20	.26	.188	24	.35
2@	.24	.14	.25	.16	.14	.14	.14	.16	.16	.11	.02	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.04	.05	.05	.084	24	.34
3@	.05	.09	.06	.07	.06	.05	.07	.06	.06	.07	.04	.04	.05	.06	.07	.08	.05	.04	.04	.04	.05	.05	.06	.08	.060	24	.11
4	.08	.06	.07	.05	.04	.09	.12	.21	.16	.15	.13	.12	.10	.07	.05	.03	.05	.09	.05	.09	.11	.07	.07	.13	.092	24	.26
5	.12	.08	.07	.06	.09	.10	.12	.15	.19	.15	.13	.11	.09	.09	.09	.08	.06	.08	.10	.09	.06	.13	.16	.18	.106	24	.21
6	.18	.16	.16	.13	.10	.10	.17	.19	.17	.17	.12	.09	.06	.05	.04	.05	.06	.05	.09	.08	.04	.05	.05	.01	.098	24	.22
7	.02	.05	.06	.11	.05	.05	.04	.04	.05	.04	.03			.04	.04	.05	.04	.04	.04	.04	.03	.03	.02	.02	.042	22	.15
8	.03	.02	.04	.05	.05	.05	.06	.04	.04	.04	.04	.03	.02	.02	.02	.02	.01	.01	.03	.03	.04	.04	.02	.02	.032	24	.07
9@	.02	.04	.03	.03	.03	.09	.04	.04	.03	.04	.05	.02	.01	.07	.06	.07	.05	.04	.05	.04	.04	.03	.04	.05	.042	24	.10
10@	.03	.02	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.01	.03	.04	.03	.03	.03	.03	.03	.024	24	.05
11	.04	.04	.03	.04	.05	.03	.06	.08	.07	.04	.04	.05	.10	.06	.07	.04	.02	.02	.02	.03	.05	.11	.11	.08	.053	24	.13
12	.09	.04	.03	.04	.03	.01	.03	.03	.03		.03	.02	.02	.01	.02	.02	.01	.02	.02	.01	.01	.02	.02	.02	.023	23	.07
13	.01	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02	.01	.01	.014	24	.03
14	.03	.02	.04	.03	.05	.04	.05	.07	.05	.03	.02			.02	.02	.02	.02	.03	.04	.05	.05	.06	.12	.13	.044	22	.16
15	.15	.14	.10	.10	.08	.08	.09	.16	.28	.17	.25	.14	.15	.13	.08	.03	.08	.14	.19	.11	.20	.22	.25	.17	.146	24	.49
16@	.14	.18	.17	.19	.17	.17	.16	.16	.17	.12	.06	.04	.03	.03	.03	.02	.02	.03	.05	.12	.17	.14	.08	.08	.104	24	.22
17@	.07	.06	.07	.05	.09	.09	.05	.05	.06	.06	.06	.07	.07	.09	.08	.09	.11	.12	.13	.13	.15	.19	.22	.19	.094	24	.28
18	.23	.20	.21	.19	.12	.07	.08	.08	.08	.09	.08	.05	.06	.04	.03	.05	.07	.06	.03	.01	.03	.04	.01	.02	.079	24	.32
19	.03	.03	.04	.04	.09	.03	.05	.05	.03	.04	.02	.02	.03	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02	.02	.029	24	.06
20																											
21		.10	.10	.10	.10	.10	.10	.10	.10	.04	.01				.17	.16	.04	.18	.18	.07	.03	.07	.14	.34	.111	20	.46
22	.44	.47	.36	.35	.27	.37	.25	.53	.59	.28	.15	.09	.08	.01	.01	.02	.03	.04	.06	.02	.06	.10	.10	.11	.199	24	.68
23@	.11	.13	.09	.07	.04	.09	.13	.13	.27	.37	.30	.20	.10	.05	.06	.04	.08	.06	.04	.04	.05	.05	.04	.03	.106	24	.45
24@	.04	.04	.03	.03	.03	.03	.04	.17	.14	.07	.28	.14	.15	.17	.11	.16	.22	.12	.03	.01	.01	.02	.02	.04	.088	24	.45
25	.02	.01	.02	.01	.01	.01	.02	.09	.05	.02	.02	.02	.01	.01	.01	.00	.01	.00	.01	.00	.01	.02	.01	.02	.017	24	.10
26	.02	.02	.03	.04	.05	.05	.05	.07	.05	.04	.02	.01	.01	.01	.01	.02	.03	.07	.14	.15	.06	.04	.06	.04	.045	24	.21
27	.19	.18	.14	.12	.08	.12	.20	.23	.18	.11	.06	.04	.04	.03	.04	.04	.03	.03	.04	.04	.08	.17	.16	.16	.104	24	.36
28	.20	.18	.16	.12	.11	.09	.06	.07	.08	.09	.08	.06	.08	.03	.04	.06	.04	.03	.03	.02	.01	.01	.01	.01	.068	24	.21
29	.01	.01	.20	.46	.26	.03	.05	.05	.04	.02	.01	.01		.01			.01	.01	.02	.01	.02	.02	.02	.02	.061	21	.39
30@	.03	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.01	.01	.02	.03	.04	.04	.018	24	.07
MEAN	.10	.09	.09	.10	.08	.07	.08	.11	.12	.10	.09	.06	.06	.05	.05	.05	.05	.05	.06	.05	.06	.07	.07	.08	.075		
NO.	28	29	29	29	29	29	29	29	29	28	29	26	25	28	28	28	29	29	29	29	29	29	29	29		684	
MAX.	.44	.47	.36	.46	.27	.37	.25	.53	.59	.37	.36	.22	.19	.17	.23	.22	.22	.18	.19	.20	.20	.22	.25	.34	.199		.68

@ Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

AUDIO GRAPHIC CORPORATION

Table 3-48

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.04	.04	.05	.08	.09	.09	.10	.10	.13	.20	.23	.18	.19	.13	.08	.05	.04	.03	.02	.02	.02	.05	.06	.09	.087	24	.31
2	.13	.12	.14	.11	.08	.09	.11	.15	.09	.05	.05	.04	.03	.11	.18	.23	.18	.30	.27	.40	.30	.09	.07	.09	.141	24	.55
3	.09	.08	.07	.07	.07	.09	.12	.11	.13	.13	.10	.07	.12	.17	.15	.09	.05	.05	.04	.05	.07	.04	.05	.09	.087	24	.20
4	.09	.12	.15	.09	.05	.01	.02	.07	.08	.03	.28	.25	.10	.11	.06	.05	.02	.03	.02	.02	.02	.02	.02	.02	.071	24	.46
5	.01	.01	.02	.02	.03	.04	.05	.17	.18	.25	.21	.23	.28				.02	.02	.02	.02	.02	.03	.03	.03	.080	21	.41
6	.02	.03	.03	.03	.03	.04	.06	.05	.04	.03	.03	.03	.03	.03	.03	.04	.03	.03	.04	.04	.04	.04	.06	.05	.036	24	.06
7*	.07	.07	.07	.06	.07	.07	.07	.07	.08	.04	.03	.03	.02	.02	.02	.02	.02	.02	.03	.04	.04	.04	.04	.05	.044	24	.14
8*	.05	.04	.03	.02	.03	.04	.04	.03	.03	.03	.01	.01	.02	.01	.01	.02	.02	.01	.01	.02	.02	.02	.02	.02	.023	24	.05
9	.02	.03	.03	.03	.04	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.04	.03	.04	.03	.03	.024	24	.04
10	.03	.02	.02	.03	.03	.03	.05	.05	.04	.04	.03	.03	.03	.03	.03	.03	.03	.05	.04	.04	.05	.06	.07	.05	.037	24	.07
11	.05	.07	.08	.06	.10	.13	.15	.15	.14	.16	.25	.20	.17	.33	.36	.35	.26	.23	.28	.29	.25	.30	.30	.22	.202	24	.43
12	.23	.21	.13	.10	.12	.17	.20	.18	.33	.38	.37	.18	.13	.13	.10	.10	.06	.07	.07	.08	.08	.17	.23	.27	.170	24	.47
13	.30	.26	.17	.08	.07	.08	.14	.10	.07	.22	.32	.35	.28	.26	.10	.08	.05	.04	.05	.04	.04	.04	.04	.04	.135	24	.43
14*	.03	.12	.18	.12	.18	.16	.10	.07	.05	.06	.05	.04	.03	.03	.03	.02	.03		.03	.03	.03	.02	.03	.02	.063	23	.27
15*	.02	.03	.03	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.016	24	.04
16	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.04	.032	24	.05
17	.05	.05	.07	.07	.09	.09	.11	.08	.09	.06	.04	.04	.03	.03	.03	.03	.03	.04	.04	.05	.06	.05	.05	.05	.056	24	.12
18	.06	.06	.07	.08	.08	.15	.17	.14	.17	.13	.10	.09	.09	.14	.17	.08	.10	.18	.13	.13	.08	.12	.16	.12	.115	24	.34
19	.14	.13	.09	.11	.10	.18	.39	.35	.27	.30	.19			.12	.12	.14	.15	.14	.10	.08	.06		.14	.16	.165	21	.44
20	.13	.07	.08	.11	.13		.18	.22	.19	.10	.04	.04	.04	.01	.02	.02	.03	.03	.02	.02	.03	.03	.03	.04	.070	23	.24
21*	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.03	.04	.05	.06	.08	.029	24	.09
22*	.08	.07	.08	.04	.04	.04	.04			.16	.09	.07	.06	.05	.04	.05	.05	.05	.04	.04	.05	.05	.04	.06	.058	22	.23
23	.11	.15	.13	.16	.14	.25	.24	.15	.07	.07	.04	.05	.05	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.081	24	.45
24	.03	.02	.02	.02	.03	.03	.03	.04	.04	.04	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.01	.024	24	.04
25	.01	.01	.02	.02	.01	.02	.01	.02	.03	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.05	.04	.04	.019	24	.05
26	.03	.02	.01	.02	.03	.04	.04	.03	.03	.04	.03	.02	.01	.03	.03	.04	.03	.03	.04	.03	.03	.03	.07	.10	.033	24	.12
27	.15	.17	.14			.14	.10	.12	.10	.08	.07			.09	.11	.12	.11	.11	.11	.12	.13	.17	.19	.20	.126	20	.26
28*	.20	.23	.24	.21	.23	.23	.22	.25	.27	.20	.24	.30	.27	.14	.05	.02	.02	.02	.03	.20	.04	.03	.02	.02	.152	24	.37
29*	.02	.01	.02	.02	.01	.02	.02	.02	.02	.02	.02	.01	.01	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.018	24	.03
30	.02	.04	.04	.06	.06	.06	.04	.02	.03	.03	.02	.02	.02	.03	.01	.02	.03	.04	.04	.06	.08	.09	.09	.08	.042	24	.11
31	.08	.07	.06	.10	.11	.09	.09	.09	.11	.11	.09	.06	.04	.04	.05		.04	.06	.07	.08	.10	.13	.09	.07	.080	23	.13
MEAN	.08	.08	.07	.07	.07	.08	.10	.10	.10	.10	.10	.08	.07	.07	.06	.06	.05	.06	.06	.07	.06	.06	.07	.07	.074		
NO	31	31	31	30	30	30	31	30	30	31	31	29	29	30	30	29	31	30	31	31	31	30	31	31		729	
MAX	.30	.26	.24	.21	.23	.25	.39	.35	.33	.38	.37	.35	.28	.33	.36	.35	.26	.30	.28	.40	.30	.30	.30	.27	.202		.55

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-49

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JAN. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS.	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	1.5	1.4	1.5	1.5	1.5	1.5	1.3	1.2	1.1	1.0	1.1	1.2	1.3		1.3	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.36	23	1.9
2	1.4	1.4	1.4	1.4	1.5	1.5	1.9	2.4	2.7	2.7	2.8	2.8	3.1	3.3	3.4	3.6	3.8	5.3	4.3	3.9	4.0	3.3	3.5	3.7	2.87	24	7.0
3	3.6	3.3	3.1	3.2	3.7	3.2	3.7	4.1	5.1	5.5	4.0	2.9	3.8	3.2		3.1	3.3	3.4	3.0	3.3	3.2	3.7	3.2	2.8	3.53	23	6.5
4	2.6	3.7	3.4	2.9	2.5	4.5	2.5	3.8	3.5	3.5	4.3	3.7	3.6	3.1	2.8	2.6	2.6	2.4	1.9	1.5	1.5	1.5	1.5	1.5	2.71	24	5.2
5	1.4	1.4	1.4	1.4	1.4	1.4	1.5	2.4	2.2	2.0	1.9	1.9	1.9	1.8	1.9	1.9	2.4	2.7	2.2	2.1	2.1	2.1	2.0	1.9	1.88	24	6.3
6*	2.1	2.3	3.4	3.6	2.7	3.1	2.6	2.7	2.9	4.2	3.2	3.1	4.1	2.9	2.9	2.0	2.0	1.7	1.8	1.9			2.1	2.7	2.71	22	4.8
7*																											
8																											
9	1.6	1.6	1.7	1.7	1.7	1.8	1.7	2.1	2.2	2.6	2.7	2.7	2.8	3.6	3.7	3.3	3.8	2.8	2.3	2.0	2.0	2.1	2.4	1.9	2.36	24	5.6
10	1.4	1.3	1.3	1.3	1.4	1.4	1.3	1.8	2.3	2.3	2.5	2.3	0.6	0.5	0.5	0.6	0.8	0.8	0.5	0.3	0.2	0.2	0.0	0.0	1.06	24	2.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.1	1.1	0.8	0.5	0.5	0.6	0.9	0.8	0.2	0.3	0.1	0.2	0.3	0.0	0.34	24	2.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	0.9	0.9	0.8	0.7	0.8	1.1	1.5	1.5	1.3	1.2	1.4	1.5	1.4	0.6	0.71	24	2.6
13*	0.4	0.4	0.5	0.7	0.3	0.2	0.3	0.6	0.7	0.7	1.3	1.6	1.8	1.8	1.4	0.9	1.0	0.9	0.8	0.6	0.7	0.8	0.8	1.0	0.82	24	2.1
14*	0.4	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.3	0.4										0.12	15	.7
15										1.3	1.1	1.1	1.2	1.1	1.0	0.7	0.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.59	15	1.9
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.0		1.9	1.2	1.0	0.8	0.8	0.8	0.4	0.31	23	3.6
17	0.4	0.5	0.5	0.6	0.7	0.6	0.6	1.0	1.8	1.9	2.5	2.7	2.5	2.4	2.3	2.5	2.9	3.9	3.4	3.2	3.8	4.1	4.8	2.9	2.17	24	5.2
18	3.2	3.3	4.0	4.0	2.9	2.9	3.4	4.4	5.4		4.6	4.6	4.6	4.5	4.2	4.6	4.8	5.2	6.2	4.9	4.1	4.1	3.9	4.9	4.29	23	8.7
19	6.0	6.0	9.7	6.9	4.6	4.6	5.6			6.9	6.2	5.6	3.8	2.5	2.4			3.0	2.4	2.5	2.6	2.4	2.2	2.1	4.38	20	13.3
20*	2.2	1.9	2.9	3.1	2.8	2.4	2.5	3.1	4.1	4.1		2.3	2.1	2.1	2.0	2.1	2.3	2.5	2.8	3.0	3.0	3.1	3.4	4.3	2.78	23	5.1
21*	4.8	4.7	6.7	6.4	6.1	4.7	6.0	7.4	5.4	3.8	2.5			2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.0	3.72	22	10.8
22	2.0	1.9	1.9	1.8	1.8	1.7	1.9	2.4	3.1	3.2	2.6	2.7	2.8	2.6	2.5	2.5	2.8	2.8	2.3	3.1	2.4	2.4	2.2	2.0	2.38	24	4.3
23	2.1	1.9	2.9	2.9	2.4	1.9	2.9	2.7	2.8	3.3	3.1	3.8	3.6	3.7	3.4	3.5	3.7	4.0	3.5	2.7	2.1	1.9	1.7	1.7	2.83	24	5.9
24	1.6	1.6	1.6	1.5	1.5	1.6	1.7	1.8	2.0	1.9	1.9	2.0	1.9	1.9	2.0	2.0		1.7	1.4	1.2	1.1	1.0	0.9	0.9	1.59	23	2.4
25	0.9	0.9	0.8	0.8	0.8	0.8	0.9	1.2	1.4	1.3		1.1	1.1	1.1	1.1	1.2	1.4	1.7	1.2	1.2	1.2	1.1	1.1	1.1	1.09	23	3.4
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.7	1.6	1.3	1.3	1.3	1.4	1.4	1.5	1.8	2.1	2.0	2.2	2.4	2.9	2.3	2.3	1.58	24	3.3
27*	2.0	3.9	4.5	3.8	3.9	2.2	2.0	2.0	2.1	2.3	2.0	1.9	2.0	1.9	1.8	1.9	1.8	2.0	2.3	2.6	3.3	4.7	6.0	7.1	2.90	24	7.8
28*	6.8	6.6	7.2	4.3	4.8	4.0	3.9	4.4	3.7	3.4	3.8	3.9	3.4	3.4	2.8			3.3	3.9	3.6	3.3	3.4	3.2	3.2	4.08	22	7.8
29	2.4	2.1	2.3	2.1	2.4	2.8	2.8	3.5	4.2	4.0	3.2	2.8	2.7	2.7	2.7	2.3	3.0	2.6	2.0	1.9	1.8	1.8	1.8	2.0	2.56	24	4.7
30	2.0	2.0	1.9	2.0	1.9	2.4	2.4	2.8	4.3	4.7	4.1	3.4	2.8	3.4	2.9	3.5	3.5	3.3	2.5	2.2	2.1	2.2	2.1	2.0	2.75	24	6.0
31	1.9	1.8	1.7	1.8	1.8	1.9	2.1	2.5	2.5	2.5	2.9	3.0	2.9	2.8		2.5	2.8	2.7	2.1	2.0	2.0	1.9	1.8	1.8	2.23	23	4.1
MEAN	2.0	2.0	2.4	2.2	2.0	1.9	2.0	2.3	2.5	2.6	2.5	2.4	2.3	2.2	2.0	2.1	2.4	2.5	2.2	2.1	2.0	2.1	2.1	2.1	2.19		
NO	28	28	28	28	28	28	28	27	27	28	27	28	28	28	27	26	24	28	28	28	27	27	28	28		660	
MAX	6.8	6.6	9.7	6.9	6.1	4.7	6.0	7.4	5.4	6.9	6.2	5.6	4.6	4.5	4.2	4.6	4.8	5.3	6.2	4.9	4.1	4.7	6.0	7.1	4.38		13.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-50

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

PHILADELPHIA, PA.

TOTAL HYDROCARBON
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	1.7	1.6	1.8	1.8	1.7	1.7	2.0	2.6	3.4	3.3	2.6	2.2	2.3	2.5	2.5	2.4	2.6	3.3	2.3	2.2	2.5	2.2	2.5	2.5	2.32	24	4.8
2	2.4	2.6	2.5	2.4	2.3	2.7	3.2	3.5	3.0	2.3	1.9	1.8	1.7	1.8	1.9	2.2	2.3	2.4	2.7	2.6	2.2	1.7	1.8	1.8	2.28	24	3.9
3*	1.7	1.5	1.6	1.6	1.6	1.5	1.6	1.7	1.8	2.0	1.8	1.8	1.8	1.9	1.8	1.9	2.1	2.0	1.8	1.8	1.9	1.8	1.7	1.9	1.77	24	2.5
4*	1.7	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.8		2.2	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.68	23	2.4
5	1.6	1.7	1.8	1.9	2.1	2.2	2.2	2.7	2.9	2.7	2.1	1.9	1.9	1.9	1.8	1.9	2.0	2.4	2.6	2.6	2.5	2.5	2.3	2.4	2.18	24	3.3
6	2.2	2.3	2.3	2.1	2.1	2.0	2.2	2.6	2.6	2.2	2.0	2.0	1.8	2.0	1.9	2.0	2.3	2.9	2.8	3.0	3.0	3.2	3.7	3.6	2.44	24	5.6
7	5.0	5.1	4.0	2.9	2.9	2.7	3.5	3.6	3.2	2.7	2.5	2.7	2.6	2.4			2.9	3.0	2.3	2.1	1.8	1.8	1.7	1.6	2.84	22	5.5
8	1.6	1.6	1.5	1.5	1.4	1.4	1.6	1.9	2.0	1.9	1.9	1.7	1.7	1.7	1.7	1.8	2.0	1.9	1.6	1.6	1.6	1.6	1.7	1.6	1.68	24	3.2
9	1.6	1.6	1.7	1.6	1.7	1.8	2.1	2.5	2.6	2.2	2.2	1.9	1.8	1.9	1.9	2.1	2.1	2.4	1.9	1.8	1.9	1.9	1.9	2.0	1.96	24	3.1
10*																											
11*																											
12		2.1	2.1	2.5	2.2	2.1	2.2	2.5	2.2	2.3	2.3	2.2	2.1	2.0	2.1	2.1	2.0	2.0	2.0	1.9	1.9	2.0	2.2	2.5	2.12	23	2.9
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20											2.0	2.1	2.0	2.1	2.0	1.8	2.1	2.1	1.8	1.7	1.7	1.6	1.6	1.6	1.85	14	2.7
21	1.5	1.5	1.4	1.5	1.5	1.6	1.6	1.9	2.0		1.8	1.8	1.7	1.6	1.9	1.7	1.9	2.1	1.9	1.8	1.7	1.8	1.7	1.7	1.71	23	2.6
22	1.6	1.7	1.6	1.6	1.7	1.7	1.7	1.9	2.1	1.9	1.8	1.9	1.9	1.8	1.9	1.8	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.82	24	2.7
23	1.8	1.9	1.7	1.8	1.8	1.9	2.0	2.4	2.6	2.2	2.0	2.1	2.0	2.0	2.1	2.0	2.3	2.3	2.2	2.3	2.4	2.2	2.4	2.2	2.11	24	3.1
24*	2.0	2.0	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.1		2.2				1.7	1.8	1.7	1.6	.7	1.8	1.7	1.5	1.5	1.80	20	2.7
25*	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.5	1.5	1.7	1.5	1.5	1.5	1.6	1.6	1.5	1.4	1.44	24	3.5
26	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.8	1.8	1.7	1.8	1.6	1.6	1.6	1.6	1.6	1.8	2.3	2.5	3.0	2.9	3.0	2.2	3.3	1.89	24	4.3
27	3.3	4.5	6.8	4.5	4.4	4.8	5.5	6.6	8.2	6.9	3.6	2.5	2.3	2.0	2.0	2.0	2.1	2.9	2.3	2.2	1.8	2.4	2.1	2.0	3.64	24	9.4
28	2.2	2.4	2.9	2.7	2.9	3.0	3.5	6.3	5.4	3.9			1.6	1.5	1.5	1.5	1.6	1.7	1.8	1.9	1.6	1.8	3.2	4.0	2.67	22	8.9
29	3.0	3.2	3.3	2.2	2.0	1.9	1.8	2.2	2.9	2.8	3.0	3.3	3.3	2.8	2.7	2.6	3.2	3.0	2.4	2.4	2.1	1.8	1.7	1.8	2.54	24	4.9
MEAN	2.1	2.2	2.3	2.0	2.0	2.0	2.3	2.7	2.8	2.6	2.1	2.0	2.0	1.9	1.9	1.9	2.1	2.3	2.1	2.1	2.0	2.0	2.0	2.1	2.14		
NO	18	19	19	19	19	19	19	19	19	18	18	19	19	19	18	18	20	20	20	20	20	20	20	20		459	
MAX	5.0	5.1	6.8	4.5	4.4	4.8	5.5	6.6	8.2	6.9	3.6	3.3	3.3	2.8	2.7	2.6	3.2	3.3	2.8	3.0	3.0	3.2	3.7	4.0	3.64		9.4

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-51

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

TOTAL HYDROCARBON
MARCH 1968

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	1.6		2.0	1.9	1.7	1.8	1.7	2.0	2.1	2.4	3.2	1.3	1.4	1.3	1.5	1.5	1.5	1.7	1.6	1.6	1.4	1.5	1.5	1.6	1.72	23	7.0
2*	1.5	1.5	1.4	1.6	1.4	1.5	1.6	1.8	1.7	1.9	2.1	2.4	2.1	2.2	1.9	1.8	1.9	2.0	1.7	1.8	1.9	1.6	1.7	1.6	1.74	24	3.9
3*	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.6	1.5	1.6	1.5	1.5	1.6	1.6	1.6	1.65	24	2.0
4	1.6	1.5	1.5	1.6	1.6	1.7	1.9	2.4	2.5	2.2	2.1	2.1	2.0	2.0			2.1	2.0	1.8	1.7	1.5	1.5	1.4	1.3	1.79	22	2.9
5	1.3	1.2	1.2	1.2	1.3	1.4	2.0	2.3	2.3	1.9	1.6	1.7	1.6	1.5	1.6	1.7	1.9	2.1	2.0	2.0	2.4	2.4	2.1	1.9	1.76	24	2.9
6	2.0	2.9	3.0	2.5	2.5	2.4	2.3	2.8	3.0	2.9	2.8	2.8	2.6		2.2	2.0	2.1	2.8	3.1	2.5	3.1	3.8	1.9	1.6	2.57	23	7.0
7	1.5	1.4	1.4	1.3	1.3	1.4	1.5	1.7	1.8	1.7	1.6	1.7	1.6	1.6	1.7	1.6	1.7	1.9	1.9	2.2	3.1	3.1	3.1	3.4	1.88	24	4.1
8	4.8	6.3	4.3	2.2	2.5	3.0	4.0	4.5	4.0	3.5	3.1	2.9	2.3	2.4	2.4	2.3	2.5	3.0	3.0	3.4	4.9	5.4	6.0	4.3	3.61	24	6.9
9*	3.8	3.7	3.6	3.7	4.3	3.7	3.4	3.8	3.6	3.4	4.4	5.4	5.3	4.0	4.1			3.4	3.4	3.5	3.8	3.4	3.9	4.0	3.88	22	7.1
10*	4.2	4.4	5.4	4.9	7.2	6.8	6.1	5.6	5.6	6.4	4.6	3.9	3.5	3.2	3.4	3.0	2.8	2.8	2.9	3.1	3.0	2.6	2.8	3.5	4.22	24	7.7
11	3.3	2.3	1.9	1.7	1.6	1.6	1.7	1.9	2.0	1.8	1.8	1.7	1.8	1.6	1.6	1.8	2.0	2.0	2.1	2.2	1.9	1.9	1.9	1.8	1.90	24	3.8
12	1.9	1.9	2.0	2.5	2.8	2.5	2.3	3.2	2.8	2.6	2.7	2.6	2.7	2.4	3.2	3.5	3.7	4.3	3.4	3.2	2.7	2.6	3.0	3.2	2.79	24	7.3
13	4.7	3.2	3.8	3.1	2.8	2.2	2.3	2.9	2.9	2.8	2.4	2.0	1.9	1.9	2.0		1.7	1.7	1.5	1.5	1.4	1.4	1.5	1.3	2.38	23	6.1
14	1.4	1.4	1.4	1.4	1.4	1.5	1.7	2.0	2.4	2.3	2.1	1.9	1.8	1.7	1.7	1.8	2.1	2.5	2.0	2.0	2.2	2.3	2.4	2.7	1.91	24	3.1
15	3.2	2.7	4.2	2.2	2.5	4.3	2.0	2.4	2.4	2.2	2.0	2.0	2.0	1.9	1.9	1.9	2.2	2.8	2.1	1.9	2.1	2.2	2.2	2.0	2.29	24	7.1
16*	1.9	2.1	2.0	1.8	1.9	1.9	1.9	2.0	2.4	2.8	2.5	2.3	2.2	2.2	2.0		1.7	1.7	1.6	1.6	1.6	1.5	1.6	1.5	1.92	23	3.0
17*	1.6	1.7	1.5	1.3	1.2	1.3	1.3	1.3	1.5	1.4	1.7	1.7	1.7	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.35	24	2.2
18	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.4	1.5	1.5	1.4	1.5	1.6	1.4	1.6	1.6	1.8	1.8	1.5	1.4	1.4	1.4	1.4	1.3	1.35	24	2.4
19	1.3	1.3	1.2	1.2	1.2	1.3	1.5	1.8	2.1	2.0	1.9	1.8	1.7	1.7	1.7	2.0	2.0	2.3	2.4	2.4	2.7	3.6	4.1	3.1	2.00	24	4.9
20	3.3	3.8						4.6	4.3		2.9	2.4	2.8	2.4	2.5	2.2	1.9	2.0	2.1	2.0	1.7	1.9	2.5	2.8	2.63	18	5.5
21	2.7	2.4	2.4	2.3	2.6	2.1	2.8	5.4	5.2	4.8	4.9	6.4	6.6	6.5	5.3	5.2	6.0	6.6	6.0	5.0	3.9	3.3	2.6	2.7	4.30	24	8.3
22	2.6	2.5	3.2	2.7	2.5	2.5	2.2	2.3	2.6	2.5	2.6	2.9	2.5	2.1											2.53	14	7.7
23*																											
24*	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.7	1.66	24	2.3
25	1.6	1.5	1.5	1.6	1.6	1.6	1.8	2.0	2.1	2.0	1.9	2.0	1.8	1.9	1.9	2.0	2.1	2.3	2.7	2.3	2.3	2.2	2.6	3.1	1.99	24	3.8
26	3.0			2.0	1.9	2.0	2.3	2.6	2.4	2.1	2.1	2.2	2.0	1.9	1.9	1.9	2.2	2.3	1.9	1.8	1.7	1.7	2.0	1.9	2.07	22	3.8
27	1.9	1.8	2.1	2.6	2.3	2.3	2.8	3.3	2.8		2.1	1.8	1.7	1.6	1.7	1.6	1.9	2.0	2.8	4.0	3.6	4.6	2.4	2.5	2.43	23	6.4
28	2.6	3.5	2.6	3.0	4.3	5.7	6.7	8.6	9.6	6.6	4.8	3.9	3.7	2.9	2.9	2.2	2.6	3.9	3.1	4.2	6.0	5.2	5.3	4.4	4.50	24	12.3
29	4.2	4.4	4.4	5.3	4.1	4.7	4.8	6.0	7.9	6.6	4.8	2.8	2.2	2.2	2.1	2.1	2.3	2.5	2.6	1.9	2.0	2.6	2.7	2.6	3.64	24	9.6
30*	2.1	1.8	1.5	1.4	1.4	1.3	1.4	1.5	1.5	1.5	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.8	2.0	2.4	3.0	4.6	4.7	4.3	2.07	24	7.0
31*	3.5	3.1	3.0	2.8	2.8	2.8	2.7	3.5	3.2	3.2	2.2	1.9	1.8	1.9		1.5	1.5	1.6	1.5	1.5	1.2	1.6	1.5	1.1	2.22	23	4.7
MEAN	2.4	2.5	2.4	2.2	2.3	2.3	2.4	2.9	3.0	2.8	2.6	2.4	2.3	2.2	2.2	2.1	2.1	2.4	2.3	2.3	2.4	2.6	2.5	2.4	2.42		
NO.	30	28	28	29	29	29	29	30	30	28	30	30	30	29	27	25	28	29	29	29	29	29	29	29		692	
MAX	4.8	6.3	5.4	5.3	7.2	6.8	6.7	8.8	9.6	6.6	4.9	6.4	6.6	6.5	5.3	5.2	6.0	6.6	6.0	5.0	6.0	5.4	6.0	4.4	4.50		12.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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A700

Table 3-52

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX
1	1.9		1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.7	1.6	1.5	1.6	1.6		1.9	2.0	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.74	22	2.3
2	1.7	1.8	1.7	1.7	1.7	1.9	2.1	2.3	2.3	2.1	1.9	1.8	1.8	1.7	1.8	1.8	2.1	2.8	2.9	3.2	3.3	3.4	3.0	2.8	2.22	24	3.7
3	2.7	2.8	2.9	2.7	3.2	3.5	3.2	4.2	3.6		1.7	1.7	1.6	1.6	1.5	1.6	1.8	2.1	1.9	1.7	2.1	1.8	1.9	1.8	2.32	23	4.5
4	1.6	1.5	1.9	1.6	1.3	1.2	1.6	1.9	2.3	1.9	1.8	1.7	1.7	1.7	1.7	1.8	2.0	1.9	2.1	1.8	1.3	1.4	1.9	2.2	1.73	24	3.0
5	2.0	1.8	1.8	1.9	1.8	1.6	1.4	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.6	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.64	24	3.0
6*	1.6	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.0						1.85	19	2.4
7*																											
8		1.6	1.3	1.4	1.3	1.5	1.8	1.7	2.8	2.6	2.1	1.8	1.9	2.9	3.6	3.1	2.6	3.2	2.4	2.6	2.4	2.6	2.4	2.9	2.28	23	5.9
9	3.3	3.3	3.1	3.6	3.8	3.2	2.4	2.4	1.7	1.5	1.6	1.5	1.6	1.6	1.6	1.7	1.7	1.9	1.7	1.6	1.7	1.6	1.6	1.6	2.12	24	4.3
10	1.6	1.6	1.6	1.6	1.9	1.7	1.9	2.1	3.8	2.3	2.1	2.1	2.1	2.0	2.1	2.2	2.4	2.3	1.9	1.7	1.8	2.0	2.6	3.2	2.09	24	4.9
11	2.2	2.4	2.2	2.6		1.6	1.9	2.4	1.9	1.6	1.7	1.7	1.8			1.7	1.9	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.89	21	2.8
12	1.8	1.9	1.8	1.9	2.1	2.2	2.3	2.4	2.2	2.0	1.8	1.9	1.9	1.9	1.9	2.0	2.3	2.2	2.3	2.3	2.2	2.0			2.05	22	2.8
13*	3.5	3.7	3.5		4.2	3.9					3.6	3.1	2.6	2.4	2.2	2.2	2.3	2.4	2.7			3.5		5.0	3.16	16	5.7
14*	5.0									2.7	2.8			1.8	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.6	1.5	1.4	1.90	14	6.1
15	1.4	1.4	1.4	1.4	1.3	1.3	1.5	1.8	2.1	1.9	1.8	1.8	1.5	1.6	1.7	1.5	1.6	1.7	1.6	1.7	1.7	1.5	1.5	1.5	1.59	24	2.7
16	1.5	1.5	1.4	1.5	1.5	1.5	1.6	1.7		1.7	1.8	1.9	2.0	2.0	1.9	1.9	2.1	2.3	2.1	2.5	2.3	2.2	2.2	2.5	1.89	23	3.3
17	1.9	1.7	1.7	1.8	1.8	1.9	2.1	2.5	3.0			1.7	1.7	1.7	1.7	1.9	2.2	2.4	1.9	2.1	2.2	2.1	2.6	2.3	2.03	22	4.1
18	2.0	1.7	1.6	1.5	1.5	1.7	1.8	2.4	2.4	2.4	2.1	1.9	2.0	1.7	1.7	1.8	2.3	2.5	2.8	3.4	3.0	2.4	3.1	3.1	2.20	24	4.9
19																											
20*																											
21*																											
22	1.6	1.6	1.5	1.4	1.5	1.6	1.8	2.3	2.7	2.8	2.7	2.6	2.1	2.0	2.0	2.0	2.2	2.3	1.8	1.8	1.7	1.6	1.7	1.7	1.93	24	3.4
23	1.6	1.5	1.5	1.5	2.0	1.8	2.1	2.1	2.5	2.1	2.2	2.0	1.9	2.0	2.0	2.0	2.2	2.2	1.8	1.7	1.7	1.7	1.7	1.6	1.87	24	3.3
24	1.6	1.5	1.4	1.5	1.6	1.6	1.8					2.4	2.3	1.9	1.7	1.6	1.7	1.8	1.5	1.2	1.1	1.1	1.1	1.3	1.57	20	2.8
25	1.3	0.9	0.9	0.9	1.0	1.1	1.3	1.5	1.7	1.5	1.6	1.5	1.5	1.6	1.7	1.8	1.9	1.8	1.7	1.6	1.8	1.9	1.9	1.9	1.50	24	2.4
26	1.9	1.6	1.6	1.6	1.6	1.8		3.0	2.7	2.3	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.2	1.9	2.0	2.1	1.8	1.9	1.6	1.98	23	4.5
27*	1.6	1.6	1.7	1.7	1.7	2.0	2.1	3.7	3.6				2.5	2.2	2.2	2.3		1.7	1.5	1.6	1.8		3.2		2.14	18	4.2
28*		2.3	2.3	2.3	2.1	2.1	1.8	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.9	2.3	2.4	2.4	3.0	1.88	23	4.1
29	3.8	4.1	3.5	2.4	2.7	2.8	3.3	3.7	3.0	3.1	2.7	2.9	2.3	2.2	2.1		2.5	1.7	1.8	1.7	1.7	1.9	1.6	1.6	2.55	23	4.5
30	1.6	1.8	2.4	2.9	3.6	3.8	3.7	3.1	3.1	2.2	2.0	2.0	2.4	2.2	2.1	2.2	2.0	1.7	1.7	1.8	1.9	2.0	2.3	2.6	2.36	24	5.0
MEAN	2.1	2.0	1.9	1.9	2.0	2.0	2.0	2.3	2.5	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	1.9	1.9	1.9	2.0	2.1	2.2	2.01		
NO	24	24	25	24	24	25	23	23	22	21	23	24	25	25	24	25	25	26	26	24	24	24	23	23		576	
MAX	5.0	4.1	3.5	3.6	4.2	3.9	3.7	4.2	3.8	3.1	3.6	3.1	2.6	2.9	3.6	3.1	2.6	3.2	2.9	3.4	3.3	3.5	3.2	5.0	3.16		6.1

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-53

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	2.3	2.3	1.8	1.5	1.6	1.8	2.0	2.1			1.8	1.7	1.6	1.7	1.9	1.9	1.9	1.7	1.8	2.0	2.2	2.6	2.0	1.6	1.90	22	3.9
2	1.6	1.8	1.9	1.8	1.7	1.8	2.1	2.0	1.9	1.8	1.8	1.8	1.8	1.9	2.0	2.1	2.1	1.9	2.2	2.3	2.3	2.3	2.0	1.9	1.95	24	3.0
3	2.6	3.4	2.6	2.6	2.4	2.0	2.7		3.2	3.2	3.0	3.0	2.7	2.6	2.4	2.5	2.4	2.4							2.68	11	5.7
4*		1.8	1.7	1.7	1.8	1.6	1.5	1.8	1.7	1.7	1.7	1.7	1.5	1.6	1.6		1.6	1.5	1.6	1.8	1.6	1.9	2.0	1.6	1.66	22	2.6
5*	1.6	1.5	1.5	1.5	1.5	1.6	1.8	1.7	1.8	1.8	1.8	1.7	1.7			1.8	1.7	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.63	22	2.3
6	1.3	1.2	1.2	1.2	1.3	1.4	1.5	1.7	1.7	1.4			1.5	1.5	1.5	1.6	1.5	1.4	1.4	1.6	1.6	1.6	1.4	1.5	1.44	22	2.0
7	1.5	1.4	1.3	1.4	1.4	1.5	1.7	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.6	1.7	1.7	1.6	1.8	2.2	2.3	2.8	3.4	2.3	1.78	24	4.3
8	1.8	1.8	2.0	2.2	3.2	3.1	2.5	2.6	2.0			1.5	1.5	1.6	1.5	1.5	1.6	1.4	1.4	1.5	1.4	1.5	1.4	1.4	1.83	22	3.9
9	1.7	1.6	1.4	1.5	1.6	1.6	1.7	2.9	2.0	1.9	1.8	1.8	1.8	1.9	1.7	1.9	1.9	2.0	1.8	1.5	1.5	1.5	1.8	1.7	1.76	24	3.6
10	2.3	2.4	2.3	2.9	2.8	2.7	4.2	3.9	2.9	2.3	1.8	1.7	1.8	1.8	2.0	2.1	2.1	2.1	2.1	2.5	3.2	2.6	3.3	3.6	2.53	24	5.1
11*	3.0	2.4	2.3	2.1	2.4	2.7	2.8	2.9	2.7	2.3	2.1	2.1	2.2	2.2	2.2	2.4	2.2	2.1	2.1	1.9	1.8	1.7	1.7	1.8	2.24	24	3.7
12*												2.3	2.0	2.0	1.8	2.1	1.8	2.2	2.7	3.5	3.0	2.4	1.6	1.5	2.22	13	4.0
13	1.4	1.4	1.4	1.4	1.4	1.6	2.2	2.8	2.2	2.0	2.1	2.0	2.0	2.0	1.8	2.3	2.3	1.9	1.8	1.6	1.7	1.7	1.6	1.9	1.84	24	4.5
14	2.1	2.0	1.9			3.5	2.3	2.7	2.6	2.0	1.8	1.9	1.9	1.8	1.9	2.0	2.2	2.1	1.7	1.7	1.8	1.7	1.7	1.6	2.02	22	5.1
15	1.7	2.0	1.7	1.9	1.7	2.0	2.6	3.2	3.3	2.6			2.1	2.0	2.5	2.4	2.9	2.1	2.0	2.2	2.6	3.3	2.8	2.6	2.36	22	5.1
16	4.8	2.5	2.2	2.4	1.8	2.5	3.3	3.4	2.5	1.8	1.5	1.5	1.4	1.5	1.2	1.4	1.7	1.2	1.4	1.4	1.2	1.4	1.9	1.2	1.95	24	6.5
17	1.1	1.2	1.2	1.3	1.0	1.5	2.0	2.4	1.3					2.2	2.1	1.9	1.8	1.6	1.9	2.3	2.4	3.0	2.8		1.79	19	3.6
18*																											
19*		2.8	2.3	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.5		1.5	1.4	1.4	1.2	1.2	1.1	1.5	1.5	1.8	2.1	1.7	1.6	1.66	22	2.9
20	1.5	1.3	1.3	1.2	1.3	1.3	1.5	1.8	1.7				1.1			1.2	1.6	1.5	1.5	1.6	1.9	1.8	1.8	1.7	1.50	19	2.1
21	1.6	1.6	1.5	1.5	1.5	1.6	1.9	2.0	1.7	1.7	1.8		2.2	2.0	1.9	1.9	2.0	1.8	1.8	2.0	2.0	2.2	1.9	1.9	1.81	23	2.4
22	2.0	1.8	1.7						2.0	1.9	1.6	1.7	1.8	1.7	1.7	1.8	1.8	1.6	1.6	1.7	1.9	1.8	1.9	1.9	1.76	19	2.3
23	2.0	1.9	2.5	2.4	2.7	3.6	4.4	8.6	6.6	5.8	4.4	3.4	3.1	2.6	2.9	2.8	2.9	2.5	2.2	2.0	2.0	1.8	1.8	1.7	3.16	24	10.5
24	1.6	1.6	2.1	2.5	2.1	2.2	2.9	3.5	3.0	2.7	2.8	2.6	2.7	2.8	2.8	3.3	3.6	2.7	2.8	3.1	3.6	3.0	2.8	2.5	2.70	24	4.3
25*	2.0	1.9	2.0	1.9	1.8	1.9	2.0	2.0	2.0	1.9	1.7	1.6	1.7	1.6											1.85	14	2.2
26*																											
27																											
28		1.9	2.0	1.9	2.0	2.1	2.2	2.2	2.5	2.3	2.5	2.4	2.5	2.4	2.5	2.5	2.7		1.6	1.5	1.5	1.5	1.5	1.6	2.07	22	3.3
29	1.6	1.4	1.8	2.2	2.1	1.6	2.4	3.0	3.0	3.3		2.4	2.1	2.5	2.4	2.4	2.3	1.9	1.9	2.4	2.6	2.4	2.2	2.1	2.25	23	3.8
30																											
31	1.8	1.6	1.5	1.6	1.6	1.7	1.9	2.1	1.8	1.9	1.8	1.7	1.8	1.9	1.8	1.9	2.1	1.9	1.9	2.0	2.0	2.0	2.1	2.0	1.83	24	2.7
MEAN	1.9	1.9	1.8	1.8	1.8	2.0	2.3	2.7	2.4	2.2	2.0	2.0	1.9	1.9	1.9	2.0	2.1	1.8	1.8	2.0	2.1	2.1	2.0	1.8	2.01		
NO.	23	26	26	24	24	25	25	24	25	22	20	21	26	25	24	25	26	25	25	25	25	25	25	24		585	
MAX.	4.8	3.4	2.6	2.9	3.2	3.6	4.4	8.6	6.6	5.8	4.4	3.4	3.1	2.8	2.9	3.3	3.6	2.7	2.8	3.5	3.6	3.3	3.4	3.6	3.16		10.5

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

4801

Table 3-54

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2*												2.4	2.5	2.1	2.0	2.4	2.5	2.4	2.7	2.5	3.4	3.3	3.8	3.8	2.73	13	4.6
3	5.7	4.1	4.5	3.8	3.3	4.7	4.4	4.9	4.2	4.1	3.7	3.0	2.2	2.4	2.0	2.4	2.1	2.2	2.1	2.1	2.3	2.3	2.2	2.1	3.22	24	7.4
4	2.0	1.9	1.8	1.8	1.8	2.1	2.2	2.4	2.1	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.2	1.8	1.8	2.3	3.5	5.1	5.8	4.7	2.43	24	6.2
5	3.4	2.7	2.5	2.3	2.3	2.6	2.8	3.1				2.1	2.3	2.4	2.2	2.2	2.4	2.2	2.0	2.2	2.7	2.8	3.3	3.7	2.58	21	4.5
6	3.0	3.6	4.6	4.8	5.4	5.0	4.7	4.1	4.5	3.5	2.9	3.2	2.8	3.0	3.0	2.8	2.9	2.9	3.1	3.3	3.5	4.3	3.9	3.0	3.66	24	6.8
7	2.6	2.8	4.2	4.5	4.8	4.9	5.0	4.9	4.2	3.9	3.9	4.8	5.4	4.1	3.1	3.0	3.2	2.7	2.7	3.5	2.8	2.6	3.2	3.5	3.74	24	5.8
8*	3.3	2.8	3.3	3.3	3.3	2.2	2.2	2.2	2.1	2.0	2.0	2.1	2.4	2.2	2.1	2.0	2.0	2.0	2.0	1.9	1.6	1.5	1.3	2.8	2.27	24	4.0
9*	1.7	1.7	1.2	1.8	2.0	2.1	2.1	1.9	2.0	1.6	1.4	1.3	1.5	1.5	1.8	1.8	1.8	2.0	2.1	1.8	2.0	2.5	3.2	2.4	1.86	24	3.8
10	1.9	2.1		1.7		1.7		2.3	2.1	3.0	2.4	2.1	2.2	2.5	2.2		2.2	1.8	1.8						2.12	15	3.5
11																											
12										1.8	1.7	2.7	2.8	3.0	3.0	2.6	2.7	2.1	2.3	2.4	3.0	2.5	2.6	1.8	2.46	15	4.7
13	1.4	1.3	1.3	1.4	1.5	1.5	2.3	2.4	2.0	1.6	1.4	1.4	1.6	1.8	1.8	1.7	1.7	1.6	1.5	1.6	1.5	1.5	1.6	1.6	1.62	24	3.0
14	1.5	1.5	1.5	1.5	1.7	1.8	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.6	1.6	1.7	1.5	1.4	1.7	2.1	2.6	3.2	3.8	1.84	24	4.5
15*	3.6	3.1	3.3	3.6	2.7	4.5	5.9	4.5	2.9	2.9	2.6	2.3	2.3	2.2	2.1	1.9	1.8	1.8	1.9	2.3	2.2	1.9	2.3	2.2	2.78	24	7.3
16*	1.9	2.3	2.9	3.5	3.6	3.3	2.7	2.0	1.7	1.5	1.4	1.5			1.6	1.4	1.4	1.4	1.4	1.8	2.0	1.9	1.6	1.5	2.00	22	4.4
17	1.3	1.2	1.2	1.1	1.2	1.3	1.6	1.8	1.6	1.7	1.6	1.4	1.4	1.5	1.4	1.5	2.3	2.1	1.9	2.1	1.7	1.4	1.3	1.3	1.51	24	3.6
18	1.1	1.2	1.2	1.1	1.1	1.2	1.6	1.9	1.7	1.4	1.4	1.3	1.3	1.5	1.6	1.8	1.7	1.6	1.6	1.5	1.4	1.3	1.4	0.9	1.40	24	2.3
19		1.3	1.2	1.5	1.6	1.8	1.7	2.2	2.1			1.6	1.5	1.5	1.5	2.0	1.6	1.3	1.3	1.5	2.0	2.3	1.8	1.8	1.65	21	3.4
20																											
21		2.4	2.2	2.0	2.0	2.0	2.2	2.0	1.6			1.9	1.7	1.4	1.3	1.2	1.2	1.0	1.3	1.7	1.6	1.7	1.9	2.1	1.72	21	2.8
22*																											
23*																											
24																											
25																											
26																											
27												1.9	2.6	2.4	1.9	2.0	2.2	1.8	1.7	1.5	1.7	1.5	1.4	1.6	1.85	13	3.2
28	1.8	1.7	1.7	1.3	1.3	1.4	1.7	2.2	2.1	2.0	2.1	2.0	1.7	1.5	1.5	1.6	1.5	1.2	1.3	1.4	1.6	1.4	1.6	1.6	1.61	24	2.8
29*	1.6	1.6	1.4	1.4	1.4	2.3	4.5	2.8	2.6	2.4	1.9	1.6	1.6	1.4	1.4	1.2	1.3	1.3	1.6	2.2	2.2	2.0	2.7	1.9	1.92	24	5.1
30*																											
MEAN	2.4	2.2	2.3	2.4	2.4	2.6	2.9	2.7	2.4	2.3	2.1	2.1	2.2	2.1	1.9	1.9	2.0	1.8	1.9	2.1	2.2	2.3	2.5	2.4	2.24		
NO	16	18	17	18	17	18	17	18	17	16	16	21	20	20	21	20	21	21	21	20	20	20	20	20		453	
MAX	5.7	4.1	4.6	4.8	5.4	5.0	5.9	4.9	4.5	4.1	3.9	4.8	5.4	4.1	3.1	3.0	3.2	2.9	3.1	3.5	3.5	5.1	5.6	4.7	3.74		7.4

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-55

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX
1	1.5	1.1	1.2	1.3	1.2	9.1	2.6	2.0	1.6	1.5	1.5	1.3	1.3												1.62	13	4.1
2									1.4	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.2	1.1	1.0	1.4	2.1	1.4	1.5	2.0	1.29	16	3.8
3	1.5	1.6	1.9	1.6	1.6	1.0	1.5	1.6	1.3	1.3	1.4	1.5	1.4	1.3	1.3	1.3	1.7	1.3	1.2	1.2	1.2	1.3	1.1	1.1	1.37	24	2.6
4	1.1	1.3	1.1	1.2	1.2	1.3	1.1	1.2	1.0	0.9	1.0	1.1	1.0	0.9	1.0	1.1	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.2	1.07	24	1.7
5	1.3	1.7	1.7	1.6	1.2	1.3	1.5	1.6	1.2				1.0	0.9	1.1	1.5	1.1	0.9	0.9	1.2	1.4	1.5	1.2	1.3	1.28	21	2.4
6*	1.2	2.4	2.1	2.0	2.4	3.9	3.1	1.3	1.1	1.7	1.8	1.2	1.1	1.4	1.3	1.4	1.4	1.4	1.0	1.5	1.3	1.5	1.6	1.8	1.70	24	4.8
7*	1.5	1.3	1.3	1.2	1.3	1.1	1.3	1.1	0.9	0.9	0.9	1.2	1.4	1.1	1.1	1.2	1.2	1.3	1.4	1.9	1.8	2.5	1.6	2.1	1.31	24	3.4
8	2.0	2.0	2.0	2.9	2.5	2.7	2.8	2.8	2.4	1.8	1.6	1.5	1.8			1.4	1.3	1.2	1.3	1.2	1.4	1.5	1.5	1.5	1.85	22	5.0
9	1.7	2.2	2.3	1.4	1.5	2.7	3.2	2.6	2.5	2.4	1.9	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.5	1.6	1.8	2.2	2.2	1.82	24	4.5
10	1.5	1.7	1.7	1.7	1.8	1.8	2.0	2.0	1.6	1.8				1.7	1.7	1.8	2.0	1.5	1.4	2.0	2.3				1.76	16	3.2
11									3.1	3.2			2.1	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.6	1.5	1.8	1.91	14	3.9
12	2.0	2.0	2.7	2.0	1.6	1.7	2.1	2.4	2.4	2.9	3.1	3.1	2.4	2.0			1.7	1.4	1.4	1.4	1.8	1.5	2.2	2.7	2.10	22	3.5
13*	2.4	1.8	1.8	1.5	1.5	1.6	1.9	2.5	4.5	4.1	3.4	2.3	2.0	1.6	1.5	1.4	1.4	1.4	1.6	1.7	1.6	2.2	1.5	1.7	2.02	24	5.1
14*	1.8	1.7	1.8	1.8	1.9	1.8	2.2	2.2	2.0	2.5	2.1	1.7	1.5	1.4	1.4	1.4	1.2	1.2	1.3	1.3	1.3	1.7	1.7	1.8	1.67	24	2.7
15	1.8	1.6	1.3	1.4	2.0	1.8	2.4	2.6	2.9	3.0	2.0	2.3	3.1			2.5	2.7	2.0	1.7	3.3	2.2	2.4	2.1	2.1	2.23	22	6.8
16	2.0	1.8	1.6	2.9	4.4	2.1	2.6	2.7	2.3	2.0	1.8	1.7	1.8	1.4	1.6	1.7	1.7	1.4	1.5	1.5	1.8	1.8	1.9	3.4	2.04	24	5.2
17	2.0	1.7	1.7	1.5	1.5	1.5	2.0	2.4	2.0	1.7	1.6	1.5	1.9			1.9	2.4	2.2	3.1	3.0	4.9	5.8	4.0	4.3	2.47	22	7.4
18	2.9	3.6	5.0	5.4	5.2	4.6	5.7	5.4	4.1	4.3	2.5	2.2	2.7				1.7	1.4	1.3	1.3	1.3	1.3	1.5	2.1	3.09	21	6.8
19	2.1	2.2	1.4	1.4	1.2	1.3	1.4				1.9	1.8	1.7	1.9	2.4	2.2	1.9	1.7	1.5	1.8	1.9	2.3	2.5	2.1	1.82	21	2.7
20*	1.7	1.1	1.1	0.9	1.0	1.0	1.1	1.1	1.0	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.2	1.3	1.2	1.1	1.03	24	2.0
21*	1.1	1.1	1.0	0.9	1.1	1.1	1.1	1.2	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.9	1.1	1.3	2.2	2.2	1.03	24	3.7
22	1.6	1.9	1.3	1.3	1.5	3.7	3.9	3.5	2.9	1.5	1.1	1.4					1.4	1.2	1.2	1.1	1.0	1.1	1.1	2.1	1.78	20	4.7
23	1.1	1.2	1.8	1.7	2.6	2.1	2.0	1.8	1.6	1.5	1.5	1.6	1.3	1.8	1.6	1.5	1.5	1.5	1.5	1.5	1.6	2.5	2.5	2.1	1.70	24	4.5
24	2.5	3.3	2.7	2.7	4.0	4.0	4.0	5.4	3.5	2.2	1.8	1.8	1.7	1.9	1.9	1.8	3.1	2.8	2.4	1.7	2.1	1.7	1.8	1.8	2.55	24	6.6
25	3.0	3.0	2.2	2.2	2.0	1.9	2.3	2.9	2.4	2.2	2.3		2.0	1.9	2.0	2.0	2.0	1.8	1.6	1.8	2.3	2.5	2.4	2.1	2.20	23	4.7
26	2.0	2.0	1.7	1.4	1.4	1.6	1.9	2.4	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.7	1.8	1.5	1.4	1.5	1.6	1.7	2.1	1.7	1.73	24	3.0
27*	1.9	1.8	2.5	3.9	2.2	1.9	2.0	3.0	2.2	1.7	1.6	1.5	1.4	1.3	1.4	1.4	1.4	1.3	1.4	1.4	1.6	2.0	1.4	1.4	1.81	24	4.7
28*	1.4	1.5	1.2	1.3	1.2	1.3	1.8	1.7	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.3	1.5	1.4	1.4	1.4	1.2	1.37	24	2.2
29	1.2	1.2	1.2	1.3	1.5	1.8	1.9	1.9	1.8	1.5	1.6			1.5	1.5	1.6	1.6	1.4	1.3	1.7	1.7	2.3	2.4	2.9	1.66	23	3.2
30	2.4	2.0	2.2	2.2	2.4	2.6	2.6	2.4	2.3	2.0	1.7	1.6	1.7	1.5	1.5	1.9	1.9	1.5	1.5	1.9	1.5	1.6	1.5	1.8	1.89	24	3.2
31	1.8	1.6	1.5	1.6	1.8	1.9	2.2	2.7	1.9	1.6	1.5	1.5	1.4	1.5	1.6						2.0	2.3	2.2	2.0	1.81	19	3.1
MEAN	1.8	1.8	1.8	1.9	1.9	2.1	2.3	2.4	2.1	1.9	1.7	1.6	1.6	1.4	1.4	1.5	1.6	1.4	1.4	1.5	1.7	1.9	1.8	2.0	1.77		
NO	29	29	29	29	29	29	29	28	30	29	28	26	28	25	24	26	29	29	29	29	30	29	29	29		680	
MAX.	3.0	3.6	5.0	5.4	5.2	4.6	5.7	5.4	4.5	4.3	3.4	3.1	3.1	2.0	2.4	2.5	3.1	2.8	3.1	3.3	4.9	5.8	4.0	4.3	3.09		7.4

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

4803

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-56

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

PHILADELPHIA, PA.

TOTAL HYDROCARBON
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX
1	2.2	2.3	2.2	2.1	3.1	2.8	2.6	3.2	2.8	2.6			1.9	2.2	2.1	2.0	2.2	2.6	2.9	2.5	1.8	2.2	2.6	3.6	2.49	22	4.8
2	2.1	2.6	2.6	2.4	2.1	1.8	2.1	2.7	2.4	2.0	1.8	2.0	1.9	1.9	1.8	1.7	1.9	1.7	1.7	1.8	1.8	2.0	1.8	1.8	2.04	24	3.6
3*	2.2	2.3	2.2	2.6	2.0	2.0	2.0	2.5	2.1	2.0	1.8	2.0	2.0	1.7	1.7	1.5	1.3	1.5	1.9	2.4	2.1	3.0	2.2	2.7	2.05	24	3.7
4*	2.8	2.8	2.9	2.1	2.3	2.2	1.8	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.5	1.7	1.7	1.7	1.8	1.69	24	3.7
5	1.9	1.7	1.8	1.8	1.8	2.0	2.0	2.6	2.1	1.8	1.8	1.8					2.1	1.8	1.6	1.6	1.6	1.5	1.4	1.4	1.79	20	3.1
6	1.3	1.4	1.3	1.2	1.2	1.4	1.7	2.0	2.0	2.1	1.6	2.1	2.1	1.9	2.3	2.3	2.4	2.4	3.1	2.7	2.9	1.9	2.1	2.5	1.98	24	4.1
7	1.7	1.7	2.7	2.0	1.6	1.8	3.0	3.1	3.0	1.9	1.8	1.8	1.8	1.7	1.7		1.9	1.7	1.7	1.7	2.1	1.9	1.8	1.8	1.98	23	4.5
8	1.7	1.5	1.5	1.6	1.8	2.1	2.4	2.8	2.1	1.8	1.8	1.7	1.7		1.7	1.3	1.0	0.9	1.0	1.4	2.2	2.8	3.5	2.1	1.82	23	4.4
9	2.1	3.6	2.9	2.3	2.7	2.0	2.7	3.3	2.6	2.7	2.0	1.8	1.9	1.8	1.8	1.9	1.8	1.7	2.0	2.3	2.9	3.4	3.2	2.2	2.39	24	4.8
10*	1.9	2.0	1.6	1.6	1.7	1.8	1.8	1.7	1.8	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.7	1.6	1.6	1.3	1.2	1.1	1.54	24	3.3
11*	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.2	1.3	1.7	2.4	1.9	1.22	24	2.6
12	2.6	3.1	3.0	2.4	1.9	2.0	2.6	2.5	2.0	1.9	1.7	1.7	1.8			1.8	1.9	1.7	1.6	1.6	1.7	1.8	3.4	3.1	2.17	22	5.7
13	2.8	2.6	2.9	2.4	2.6	2.6	3.2	3.9	3.1	2.3	2.2	2.0	1.8	1.9	1.9	1.8	2.0	1.9	1.8	1.8	1.8	1.8	2.1	2.3	2.29	24	4.3
14	2.2	3.0	1.8	1.8	1.7	2.0	3.1	3.4	2.4	2.1	2.2	2.1	1.9	1.9	1.9	1.9	2.0	1.8	1.7	1.9	2.2	2.2	2.1	2.0	2.12	24	4.2
15	1.8	1.8	1.7	1.5	1.5	1.5	1.6	1.7	1.6	1.5	1.5		1.7	1.5	1.5	1.6	1.6	1.5	1.6	1.7	1.9	2.0	2.2	2.8	1.71	23	3.1
16	3.2	3.1	3.2	3.3	4.1	4.7	4.7	3.4	3.1	2.2	2.2	2.0	2.2	2.7	2.3	1.9	1.9	1.7	1.8	1.8	1.8	2.5	2.4	2.3	2.67	24	6.2
17*	2.3	2.7	2.7	1.8	2.9	2.4	2.0	1.9	1.9	2.1	2.2	1.7	1.6	1.6	1.5	2.5	1.8	2.3	2.6	3.4	4.3	4.4	4.6	4.1	2.54	24	6.0
18*	2.4	2.0	1.9	1.8	1.7	1.7	1.5	1.5	1.4	1.4	1.3	1.3	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.5	1.53	24	3.1
19	1.9	2.0	1.8	1.5	1.7	1.6	1.8	2.1	1.8	1.7	1.6	1.5	1.6		1.7	1.6				1.8	1.5	1.4	1.6	1.7	1.67	20	2.2
20	1.7	1.8	1.7	1.7	2.0			3.0	2.7	2.6	2.8	2.4	2.5	2.3	2.1	2.1	2.3	2.4	2.1	2.1	2.2	2.5	2.5	1.9	2.24	22	3.4
21	1.7	1.6	1.5	1.6	1.7	1.9	2.3	2.3	1.8	1.7	1.6	1.5	1.5	1.5	1.8	1.6	1.6	1.5	1.6	1.8	1.9	2.2	2.2	1.7	1.74	24	2.9
22	1.9	1.8	1.9	1.9	2.1	2.2	3.0	3.4	2.3	1.8		1.9	1.9	2.4	2.3	2.1	3.0	2.2	2.0	1.9	2.6	2.8	2.9	2.1	2.26	23	7.3
23	2.0	2.1	3.0	1.8	1.7	1.9	2.2	2.2	1.7	1.5	1.6	1.5	1.5	1.6	1.6	1.9	2.2	1.8	1.7	1.6	1.5	1.5	1.5	1.5	1.79	24	3.7
24*	1.4	1.3	1.4	2.0	2.1	2.1	2.6	3.4	3.2	3.0	3.0	3.4	3.2	2.3	1.9	1.8	1.5	1.6	3.1	3.8	2.5	1.8	2.4	2.4	2.37	24	5.3
25*	3.2	4.8	2.7	2.9	2.7	3.5	3.9	3.9	2.0	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.3	1.9	2.3	2.8	2.2	1.6	1.5	2.25	24	7.0
26	1.2	1.1	1.2	1.2	1.2	1.4	1.8	1.9	1.5		1.6	1.8				1.6	1.5	1.4	1.4	1.5	1.5	1.6	1.4	1.4	1.46	20	2.9
27	1.4	1.3	1.4	1.4	1.4	1.3	1.6	1.8	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.50	24	1.9
28	1.5	1.5	1.4	1.6	1.7	2.1	2.3	2.4	2.0	1.8	1.6	1.5	1.6	1.5	1.6	1.6	1.7	1.6	1.8	1.9	1.9	2.1	2.1	2.5	1.79	24	2.8
29	2.5	2.4	2.2	1.8	1.6	1.6	2.0	2.2	2.0	1.9	1.6	1.4				2.5	2.3	2.1	2.1	2.2	2.4	3.1	2.8	2.7	2.15	21	3.3
30	2.6	2.5	2.5	2.6	2.6	4.7	3.0	3.0	2.9	2.8	2.7	2.3	2.2	2.3	2.2	2.1	2.1	1.8	2.0	2.1	2.8	2.5	2.9	2.8	2.48	24	3.5
31*	2.6	3.2	3.3	3.7	3.6	3.7	3.8	3.3	3.2	2.1	2.2	2.6	2.5	2.3	2.1	2.1	2.0	1.9	1.9	2.0	2.0	2.2	2.7	2.9	2.65	24	4.1
MEAN	2.1	2.2	2.1	2.0	2.1	2.1	2.4	2.6	2.2	1.9	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.9	2.0	2.1	2.2	2.3	2.2	2.02		
NO	31	31	31	31	31	30	30	31	31	30	29	29	28	25	27	29	30	30	30	31	31	31	31	31		719	
MAX	3.2	4.8	3.3	3.7	4.1	4.7	4.7	3.9	3.2	3.0	3.0	3.4	3.2	2.7	2.3	2.5	3.0	2.6	3.1	3.8	4.3	4.4	4.6	4.1	2.67		7.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-57

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX.
1*	3.0	3.0	3.4	3.5	4.0	4.1	4.1	3.8	3.5	3.1	2.6	2.3	2.6	2.5	2.4	2.3	2.3	2.2	2.2	2.2	2.3	2.6	2.6	2.6	2.85	24	4.4
2	2.8	2.6	2.5	2.5	2.8	2.7	3.0	3.0	3.1	2.8	2.5	2.2	2.2			2.0	2.0	2.3	2.4	2.6	2.9	3.0	3.3	3.2	2.62	22	3.4
3																											
4																											
5																											
6																											
7*		2.2	2.4	2.0	1.9	2.2	2.4	2.2	2.1	1.9	1.8	1.6	1.7	1.7	1.7	1.7	1.8	1.8	2.2	2.7	2.8	3.9	5.3	6.0	2.42	23	6.9
8*	4.5	4.7	4.5	3.9	3.2	2.8	2.3	2.6	2.6	2.9	2.7	2.3	2.1	2.1	2.0	1.9	1.9	2.0	2.0	2.1	2.1	2.3	2.6	2.4	2.65	24	5.2
9	2.6	2.4	2.5	2.6	2.8	3.0	3.9	4.7	3.9	2.9	2.3	2.2			2.3	2.4	2.4	2.2	2.1	2.0	2.2	2.3	2.2	2.1	2.62	22	5.3
10	2.1	2.0	1.9	1.9	1.9	2.5	2.7	3.3	2.7	2.5	2.3	2.1	2.1	2.1	2.1	2.2	2.5	2.3	2.1	2.1	2.0	2.2	2.0	1.8	2.21	24	3.8
11	2.0	2.2	2.0	1.9	1.8	2.0	2.5	2.9	2.6	2.2	2.2	2.2	2.2	2.2		2.2	2.3	2.0	2.1	2.2	2.2	2.1	2.1	2.0	2.17	23	3.4
12	2.0	1.9	2.0	2.0	2.1	2.3	2.6	3.0	2.2	2.1		1.8	1.8				2.0	1.8	2.1	2.1	2.3	2.4	2.2	2.1	2.13	20	3.6
13	2.0	1.9	1.9	1.8	1.8	2.1	2.4	2.6	2.2	2.1	2.1	2.0	2.2	2.0	2.0	2.2	2.1	2.0	2.4	2.6	2.7	2.6	2.6	2.7	2.19	24	3.2
14*	3.0	3.2	3.1	3.1	2.5	2.0	2.1	2.3	2.1	1.8	1.9	1.8	1.8	1.9	1.7	1.7	1.8	2.0	2.3	3.3	2.8	3.1	4.0	3.9	2.46	24	4.4
15*	3.1	2.9	3.0	3.0	2.8	3.0	3.1	2.8	2.6	2.6	2.3		1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.32	23	3.3
16	1.9	1.9	2.3	3.3	3.2	3.3	4.2	4.7			3.1	2.5			2.1	2.4	2.5	2.2	2.2	2.1	2.4	2.7	2.2	2.1	2.66	20	5.7
17	2.5	2.1	3.2		3.9	4.0	5.3	6.2	6.0	5.6	6.1	5.6	2.6	2.5	2.7	2.6	2.8	2.5	2.1	1.9	2.0	2.0	2.0	2.2	3.39	23	6.9
18	3.2	3.5	3.4	3.4	3.8	4.9	4.4	3.5			2.8	2.5	2.4	2.3	2.1	2.1	2.4	2.1	2.1	2.1	2.3	3.2	5.1	5.4	3.12	22	6.0
19																											
20																											
21*										2.7	2.8	2.5	2.4	2.5	2.3	2.1	2.1	2.1	2.2	2.3	2.8	2.6	2.5	2.7	2.43	19	3.2
22*	2.4	2.3	2.5	2.3	2.1	2.1	4.3	4.4	4.1	2.2	2.1	2.0	1.9	1.9	1.9	2.1	2.0	2.1	3.0	2.8	2.5	2.9	2.6	3.1	2.55	24	6.3
23	3.0	2.4	2.4	3.0	2.8	2.1	3.1	3.2	2.8	2.8	2.4	2.2	2.0	2.1											2.57	14	4.5
24																											
25																											
26																											
27	1.7	1.6	1.4	1.6	1.6	1.8	2.3	2.7	2.3	2.0	1.8	1.6	1.6	1.6	1.6	1.8	1.9	1.9	2.0	3.2	4.8	5.4	4.4	4.1	2.34	24	6.0
28*		2.2	1.9	1.7	1.8	1.8	1.9	2.0	1.8	1.7	1.6	1.5	1.5	1.5	1.5	1.6	1.5	1.7	1.8	2.1	2.2	2.2	2.0	2.0	1.79	23	2.3
29*	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.9	2.2	2.5	2.5	2.5	1.80	24	2.8
30	2.4	2.1	1.7	1.6	1.6	1.8	2.4	3.3	2.8	2.2	1.9	2.0					2.1	2.0	2.2	2.3	2.2	2.1	2.0	1.9	2.12	20	3.7
MEAN	2.5	2.4	2.5	2.5	2.5	2.6	3.0	3.2	2.8	2.5	2.4	2.2	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.3	2.5	2.7	2.8	2.8	2.45		
NO	18	20	20	19	20	20	20	20	18	19	20	20	18	16	16	18	20	20	20	20	20	20	20	20		462	
MAX.	4.5	4.7	4.5	3.9	4.0	4.9	5.3	6.2	6.0	5.6	6.1	5.6	2.6	2.5	2.7	2.6	2.8	2.5	3.0	3.3	4.8	5.4	5.3	6.0	3.39		6.9

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-58

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

PHILADELPHIA, PA.

TOTAL HYDROCARBON
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	1.7	1.7	2.3	1.8	2.1		3.5			2.2	2.1	2.0	2.0	2.0	2.0	2.1	2.4	2.3	3.2	2.9	3.5	3.8	4.1	3.5	2.51	21	4.5
2																											
3																											
4																											
5*																											
6*																											
7																											
8																											
9																											
10																											
11																											
12*																											
13*																											
14																											
15																											
16		5.3	5.3	4.7	4.4	5.4	7.4	7.8	5.3	3.2	3.2		4.1	4.2	3.3			4.0	4.4	4.7	3.7			4.7	4.73	18	8.1
17																											
18																											
19*																											
20*																											
21																											
22																											
23																											
24																											
25																											
26*																											
27*																											
28																											
29																											
30																											
31																											
MEAN	1	2	2	2	2	1	2	1	1	2	2	1	2	2	2	1	1	2	2	2	2	1	1	2			
NO	1	5	5	4	4	5	7	7	5	3	3	2	4	4	3	2	2	4	4	4	3	3	4	4		39	
MAX	1.7	5.3	5.3	4.7	4.4	5.4	7.4	7.8	5.3	3.2	3.2	2.0	4.1	4.2	3.3	2.1	2.4	4.0	4.4	4.7	3.7	3.8	4.1	4.7	4.73		8.1

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-59

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1 2* 3* 4 5		4.5	4.1	3.9	3.9	3.9	4.5	6.2	5.6	4.5	3.7	3.4						4.2	4.2	4.4	4.7	5.2	5.0	3.3	4.38	18	7.6
6 7 8 9* 10*																											
11 12 13 14 15																											
16* 17* 18 19 20																											
21 22 23* 24* 25																											
26 27 28 29 30*																											
MEAN NO MAX		1 4.5	1 4.1	1 3.9	1 3.9	1 3.9	1 4.5	1 6.2	1 5.6	1 4.5	1 3.7	1 3.4						1 4.2	1 4.2	1 4.4	1 4.7	1 5.2	1 5.0	1 3.3	4.38	18	7.6

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-60

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

PHILADELPHIA, PA.

TOTAL HYDROCARBON
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
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21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN																									0.00		.0
NO																											
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-61

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02	.02		.02	.01	.01	.01	.02	.02	.01	.02	.03	.02	.02											.019	15	.03
2											.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.001	14	.02
3	.00	.01		.01	.01	.01	.01	.02	.02	.03	.02	.02	.01			.02	.02	.03	.03	.04	.04	.03	.03	.03	.020	20	.05
4	.04	.04		.03	.02	.03	.03	.05	.04	.03	.04	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.027	23	.07
5	.02	.02		.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.00	.01	.01	.010	23	.02
6*	.00	.00		.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.02	.02	.03	.05	.05	.011	23	.07
7*	.05	.05		.03	.04	.03	.03	.03	.03	.03	.04	.04	.04	.04											.036	13	.06
8																											
9	.01	.01		.01	.00	.00	.01	.00	.00									.00	.00	.00	.00	.00	.00	.00	.002	15	.01
10	.00	.01		.00	.00	.00	.00	.00	.00									.00	.00	.00	.00	.00	.01	.01	.002	15	.02
11																											
12	.00	.00		.00	.01	.01	.01	.00	.00									.00	.00	.00			.00	.00	.001	13	.01
13*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02	.03	.02	.03	.03	.02	.02	.03	.012	23	.04
14*	.03	.03		.03	.03	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.02	.02	.02	.02	.026	23	.09
15	.01	.02		.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.016	23	.03
16	.03	.03		.03	.03	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.010	23	.04
17	.00			.01	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00				.01	.02	.02	.01	.02	.01	.03	.008	19	.04
18	.03	.03		.02	.02	.02	.02	.03	.04		.01	.02	.02	.03	.03	.03	.04	.03	.05	.05	.05	.05	.04	.06	.033	22	.08
19	.08	.06		.03	.03	.03	.04	.05	.05	.04	.04	.03	.03	.04	.04	.04	.03	.03	.03	.03	.04	.04	.04	.04	.038	23	.11
20*	.03	.02		.02	.03	.03	.03	.04	.05	.04	.03	.02	.03	.03	.02	.02	.01	.02	.02	.03	.04	.03	.03	.03	.027	23	.06
21*	.03	.03		.03	.02	.02	.02	.03	.02	.03	.03	.04	.05	.05	.05	.03	.03	.02	.03	.04	.03	.03	.03	.03	.030	23	.06
22	.02	.01		.02	.02	.02	.03	.03	.03	.01	.00	.00	.00	.01	.01	.01	.00	.01	.01	.01	.02	.01	.01	.02	.013	23	.06
23	.02	.02		.01	.01	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.03	.03	.02	.01	.01	.01	.01	.016	23	.05
24	.02	.02		.03	.03	.02	.02	.02	.01	.00	.00	.00	.00	.00			.00	.00	.00	.01	.01	.01	.01	.02	.010	21	.03
25	.02	.02		.03	.03	.03	.02	.03	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.00	.00	.00	.00	.01	.011	23	.04
26	.01	.01		.01	.01	.01	.02	.01	.01	.00	.00	.00	.01					.01	.00	.00	.00	.00	.00	.00	.005	19	.04
27*	.00	.02		.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.03	.03	.08		.17	.018	22	.31
28*	.10	.09		.00	.02	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.03	.03	.03	.03	.03	.018	23	.15
29	.02	.01		.01	.02	.02	.03	.04	.04	.04	.02	.03			.04	.03	.04	.03	.01	.01	.01	.01	.01	.02	.023	21	.10
30	.01	.02		.02	.02	.02	.02	.04	.05	.04	.03	.04	.04	.05	.04	.05	.05	.04	.03	.02	.01	.02	.02	.02	.030	23	.07
31	.02	.02		.02	.01	.02	.02	.02	.02	.01	.02	.02	.02	.02			.03	.02	.01	.02	.01	.01	.01	.01	.016	21	.05
MEAN	.02	.02		.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.03	.018		
NO	28	27		28	28	28	28	28	28	24	26	26	25	23	19	19	22	27	27	27	26	26	26	27		593	
MAX	.10	.09		.03	.04	.03	.04	.05	.05	.04	.04	.04	.05	.05	.05	.05	.05	.04	.05	.05	.05	.08	.05	.17	.038		.31

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-62

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01	.01		.01	.01	.01	.02	.02	.03	.02	.02	.02	.02	.02			.01	.02	.02	.01	.01	.02	.02	.03	.017	21	.04
2	.03	.02		.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03				.03	.01	.01	.01	.01	.01	.01	.022	20	.05
3*																											
4*																											
5		.00		.00	.00	.00	.00	.00	.00				.03	.03	.03	.02	.02	.01	.00	.00	.00	.00	.00	.00	.008	19	.04
6	.00	.00			.00	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.02	.03	.006	22	.11
7	.08	.09		.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.01	.01	.01	.01	.01	.011	21	.11
8	.01	.01		.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.003	22	.03
9																											
10*																											
11*																											
12				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00								.000	13	.00
13				.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.003	21	.02
14	.00	.01		.01	.01	.00	.00	.00	.00			.01	.02	.02			.01	.01	.01	.01	.01	.00	.00	.00	.006	19	.03
15	.00	.00		.00	.01	.01	.01	.01	.01	.00	.02	.02	.02	.02											.011	13	.03
16																											
17*	.00	.00		.00	.00	.01	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.002	21	.02
18*																											
19							.03	.03	.03	.04				.03	.03	.01	.01	.00	.00	.00	.00	.00	.00	.00	.014	19	.05
20	.00	.00		.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.02	.02	.02	.02	.02	.02	.007	23	.03
21	.02	.02		.02	.02	.01	.00	.00	.00				.01				.00	.00	.00	.00	.00	.00	.00	.00	.006	17	.04
22																											
23																											
24*																											
25*		.00		.00	.00	.00	.00	.00	.00	.00	.02	.03	.04	.04	.04	.04	.04	.01	.00	.00	.00	.00	.00		.012	21	.06
26																											
27																											
28																											
29	.06	.07		.04	.04	.04	.05	.07					.06	.05	.04	.02	.02			.03		.02	.02		.041	15	.10
MEAN							.01	.01																			
NO	11	13		14	15	15	16	16	15	12	10	11	15	14	10	9	14	13	13	14	13	14	14	12		303	
MAX	.08	.09		.04	.04	.04	.05	.07	.03	.04	.03	.03	.06	.05	.04	.04	.04	.03	.02	.03	.02	.02	.02	.03	.041		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-63

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

TOTAL OXIDANT
MARCH 1968

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1																											
2*	.03	.02		.01	.01	.01	.02	.01	.02	.02	.01	.00	.00	.00	.01	.02	.02	.02	.03	.03	.02	.03	.03	.03	.018	23	.05
3*																											
4					.01	.02	.02	.02	.00	.00	.00	.02	.02	.02	.02	.03	.02	.02	.02	.00	.00	.01	.02	.02	.014	20	.04
5	.03	.02		.03	.02	.02	.02	.03	.03	.03	.03	.03	.04	.05	.05	.05	.04	.05	.04	.03	.01	.02	.01	.02	.030	23	.08
6	.02	.01		.02	.01	.02	.02	.03	.02	.02	.02	.02	.02	.02			.02	.03	.02	.02	.02	.02	.01	.02	.019	21	.05
7	.02	.02			.02	.02	.02	.02									.03	.03	.02	.01	.01	.01	.01	.02	.018	14	.05
8	.09	.07		.04	.03	.02	.02	.02	.01	.01	.00	.00	.01	.02	.03	.02	.02	.03	.03	.03	.05	.04	.04		.029	22	.12
9*	.04	.04		.03	.04	.03	.02	.03	.04	.04	.04	.04	.06	.06	.07	.09	.08	.09	.09	.10	.09	.06	.07	.08	.057	23	.14
10*	.08	.07		.09	.21	.19	.12	.11	.12	.09	.07	.06	.05	.05	.05	.05	.04	.04	.06	.07	.06	.05	.06	.08	.081	23	.25
11	.06	.02			.03	.04	.04	.04	.03	.05	.05	.06							.05	.02	.01	.01	.01	.01	.031	16	.07
12	.02	.02			.00	.01	.01	.04	.03	.03	.02	.02	.02	.02	.04	.03	.03	.04	.04		.03	.03	.03	.06	.026	21	.08
13	.09	.11			.05	.04	.05	.05	.04	.03	.01	.00	.01	.01					.03	.01	.01	.00	.01	.02	.029	18	.14
14	.02	.02		.03	.02	.01	.01	.00	.00					.00	.01		.02	.03	.03	.01	.01	.01	.00	.02	.014	18	.04
15	.02	.03		.03	.02	.03	.03	.02	.01			.05	.06	.06	.05	.05	.04	.05	.05	.02	.02	.02	.02	.03	.032	21	.07
16*	.03	.03		.03	.02	.03	.02	.03	.02	.03	.02	.03	.05	.05	.05	.04	.05	.06	.05	.06	.06	.06	.03	.03	.037	23	.07
17*	.03	.03		.03	.03	.02	.02	.02	.02	.02	.03	.02	.03	.03	.04	.05	.03	.02	.03	.03	.03	.04	.03	.03	.027	23	.08
18	.03	.04		.04	.05	.05	.03	.03	.02	.02	.03	.01	.02	.03	.03	.03	.04	.04	.03	.03	.02	.02	.02	.03	.029	23	.05
19	.03	.03		.03	.02	.03	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05	.04	.05	.05	.05	.05	.05	.04	.03	.037	23	.07
20	.04	.04		.03	.03	.03	.04	.05	.04	.05	.03	.05	.05	.07											.041	13	.08
21										.04	.04	.04	.05	.06	.06	.05	.05	.06	.06	.04	.03	.02	.01	.02	.040	15	.10
22	.02	.02		.01				.01	.00					.04	.04	.03	.03	.03	.04	.03	.03	.02	.03	.03	.025	16	.06
23*	.00	.01			.03	.04	.05	.04	.04	.03	.02	.02	.03		.02	.02			.00	.00	.01	.00	.01	.00	.018	19	.05
24*	.01	.00		.01	.00	.01	.01	.00	.00	.00	.00	.00	.01	.04	.06	.06	.05	.06	.06	.04	.04	.03	.03	.04	.024	23	.08
25	.03	.02		.04	.04	.04	.03	.02	.02	.04	.03	.04	.07	.05	.05	.04	.04	.05	.03	.05	.01	.01	.01	.01	.032	23	.09
26	.01	.01		.01	.01	.01	.01	.01				.05	.06	.06	.06	.06	.06	.03	.05	.04	.05	.04	.02	.02	.033	20	.08
27	.02	.01		.00	.00	.01	.00	.01	.04	.03	.04	.04	.05	.05			.05	.04	.03	.09	.07	.07	.07	.07	.037	21	.10
28	.07	.07		.02	.03	.06	.06	.06								.03	.01	.00	.00	.01	.00	.00	.00	.01	.027	16	.11
29	.01	.01		.01	.01	.01	.02	.03	.04	.02			.04	.04	.03	.03	.02	.01	.01	.02	.02	.01	.02	.01	.019	21	.05
30*	.02	.01		.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.04	.04	.04	.03	.03	.02	.02	.02	.02	.01	.01	.026	23	.05
31*	.00	.01		.01	.00	.00	.00	.00	.00	.01	.03	.05	.06	.06	.06	.05	.06	.04	.03	.03	.03	.03	.03	.03	.027	23	.07
MEAN	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	.02	.03	.031		
NO.	27	27		22	27	27	27	28	25	23	22	24	24	25	22	22	25	25	28	27	28	28	28	27		588	
MAX.	.09	.11		.09	.21	.19	.12	.11	.12	.09	.07	.06	.07	.07	.07	.09	.08	.09	.09	.10	.09	.07	.07	.08	.081		.25

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-64

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02	.01		.00	.01	.00	.01	.02	.01	.01	.00	.01	.01	.02		.03	.03	.03	.02	.03	.02	.02	.02	.02	.016	22	.04
2	.02	.02		.01	.01	.01	.01	.02	.01	.01	.02	.02	.02	.04	.04	.04	.04	.02	.01	.01	.01	.00	.00	.01	.017	23	.05
3	.00	.00		.00	.01	.00	.01	.01	.00	.00	.00	.01	.02	.03			.02	.01	.01	.00	.00	.00	.00	.00	.006	21	.04
4	.01	.01			.01	.01	.01	.01										.00	.00	.00	.01	.00	.00	.00	.005	13	.02
5	.01	.00		.00	.00	.00	.00	.01	.01	.01	.02	.02	.03	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02	.03	.015	23	.04
6*	.03	.03		.03	.02	.02	.02	.02	.02	.01	.00	.00	.01	.02	.02	.03	.01	.00	.01	.03	.02	.02	.02	.01	.018	23	.04
7*	.01	.01		.00	.01	.01	.00	.00	.00	.00	.00	.02	.02	.02	.02	.04	.05	.04	.04						.016	18	.06
8																											
9																											
10																											
11																											
12																											
13*																											
14*																											
15												.03	.02	.02	.01	.02	.02	.00	.00	.00	.00	.00	.01	.02	.012	13	.06
16																											
17																											
18																											
19	.02	.01		.03	.03	.04	.04	.04					.05	.04	.05	.06	.04	.05	.06	.04	.03	.03	.03	.03	.040	17	.09
20*	.04	.03		.03	.03	.03	.04	.03	.02			.05	.06	.07			.09	.10	.05	.06	.05	.03	.03	.03	.043	19	.14
					.03	.02	.03	.02	.02	.02	.02	.01	.03	.05	.06	.07	.08	.07	.04	.05	.04	.03	.04	.03	.037	22	.10
21*	.02	.03		.03	.03	.03	.02	.02	.02	.03	.03	.04	.06	.04	.03	.01	.02	.03	.05	.03	.03	.05	.03	.03	.030	23	.08
22	.03	.02		.03	.04	.03	.03	.02	.03	.02	.01	.02	.01	.02	.02	.02	.01	.03	.02	.02	.02	.02	.02	.03	.022	23	.06
23	.03	.03		.03	.05	.04	.04	.03	.01	.01	.01	.02	.01	.02	.03	.02	.02	.02	.03	.03	.02	.02	.01	.03	.024	23	.06
24	.03	.03		.03	.02	.02	.02	.02	.02	.01	.01	.01	.03	.04			.03	.03	.03	.04	.03	.03	.02	.03	.024	21	.05
25	.03	.03			.02	.03	.03	.02						.01	.02	.01	.01	.02	.02	.02	.02	.01	.01	.02	.019	17	.06
26	.02	.02		.02	.04	.04	.04	.05	.03																		
27*	.03	.03		.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.05	.05	.05	.06	.05	.03	.03	.03	.02	.03	.035	19	.09
28*														.03	.03										.024	14	.07
29																											
30																											
MEAN	.02	.02			.02	.02	.02	.02						.03			.03	.03	.03	.02	.02	.02	.02	.02			
NO	16	16		14	17	17	17	17	14	12	12	14	15	17	13	13	16	17	17	16	16	16	16	16		354	
MAX	.04	.03		.03	.05	.04	.04	.05	.03	.03	.03	.05	.06	.07	.06	.07	.09	.10	.06	.06	.05	.05	.04	.03	.043		.14

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-65

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3																											
4*																											
5*																											
6																											
7																											
8																											
9																											
10																											
11*																											
12*																											
13																											
14																											
15																											
16																											
17																											
18*																											
19*																											
20																											
21																											
22																											
23																											
24																											
25*																											
26*																											
27																											
28																											
29																											
30																											
31																											
MEAN																									.000		.00
NO.																											
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-66

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*												.03	.03	.04	.04	.03	.04	.03	.02	.02	.03	.00	.00	.00	.023	13	.06
2*												.04	.03	.03											.022	13	.07
3	.00	.00		.00	.01	.02	.02	.03	.03	.03	.05																
4																											
5																											
6																											
7																											
8*																											
9*																											
10																											
11																											
12		.00		.00	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01			.01	.03	.02	.02	.01	.01	.00	.01	.010	20	.04
13	.01	.01		.02	.02	.02	.00						.03	.03	.02	.03	.02	.02	.02	.01	.01	.01	.01	.01	.016	18	.04
14	.01	.01		.01	.01	.00	.01	.01	.01	.01	.02	.03	.03	.04	.04	.03	.04	.03	.03	.01	.01	.02	.02	.02	.018	23	.05
15*	.01	.01		.02	.00	.00	.01	.03	.04	.09	.12	.12	.14	.13	.13							.04	.02	.02	.054	17	.17
16*	.01	.01		.01	.01	.01	.01	.03	.04	.03	.07	.08	.10	.09	.08	.08	.07	.05	.04	.03	.02	.02			.042	21	.12
17				.02	.02	.00	.00	.00	.01	.02	.02	.02	.04	.03	.02	.00	.01	.01	.01	.00	.01	.01	.01	.01	.012	21	.05
18	.01	.01		.01			.00	.01	.02	.03	.03	.04	.05			.06	.07	.07	.05	.06					.034	15	.11
19																											
20																											
21																											
22*																											
23*																											
24								.01	.03	.04	.06	.06	.05	.06	.05	.04	.04	.03	.03	.02	.01	.01	.01	.00	.032	17	.06
25	.00	.00		.00	.00	.00	.00	.02	.03	.04	.05	.05	.05	.05	.05	.04	.04	.04	.03	.02	.02	.01	.02	.02	.025	23	.06
26	.02	.02		.02	.01	.00	.00	.00	.01			.02				.01	.01	.01	.01	.01	.00	.00	.00	.00	.008	18	.03
27	.00	.00		.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	19	.01
28	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00		.00	.01	.00	.00	.00	.00	.00	.01	.001	22	.01
29*																											
30*																											
MEAN	10	11		12	11	11	12	11	11	10	10	13	13	12	10	10	12	12	12	12	11	12	11	11		260	
NO	.02	.02		.02	.02	.02	.02	.03	.04	.09	.12	.12	.14	.13	.13	.08	.07	.07	.05	.06	.03	.04	.02	.02	.054		.17
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-67

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

PHILADELPHIA, PA.

TOTAL OXIDANT
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.01		.01	.01	.00	.00	.00	.00	.01	.00	.00	.01	.01	.01	.01	.01	.02	.01		.00				.00	.007	19	.03
2	.00									.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.01	.007	16	.02
3																											
4																											
5																											
6*		.01	.01	.02	.02	.02	.01	.03	.06	.06	.06		.06	.04	.03	.03	.04	.03	.03	.02	.02			.01	.030	20	.10
7*																											
8												.05	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.04	.04	.049	13	.08
9	.03	.02		.03	.03	.01	.02	.01	.02	.03	.06	.05	.05	.06	.05	.06	.05	.04	.04	.03	.03	.02	.02	.02	.033	23	.07
10	.03	.02		.01	.01	.01	.00	.04	.02	.01	.00	.02	.02				.01	.01	.01	.01	.01	.01	.01	.01	.011	20	.04
11																											
12																											
13*																											
14*	.01	.01		.00	.00	.00	.01	.01	.01	.04	.06	.08	.10	.07	.06	.06	.05	.04	.03	.02	.02	.01	.01	.01	.030	23	.13
15	.00	.00		.00	.00	.00	.00	.00	.03	.04	.05	.06	.08	.08	.10		.05	.03	.04	.02	.02	.00	.01	.01	.028	22	.12
16																											
17						.01	.00	.02				.08	.07	.08			.06	.06	.03	.04	.02	.02	.02	.02	.039	14	.10
18	.02	.02		.02	.01	.02	.02	.03	.07	.16	.10	.09				.10	.08	.07							.057	14	.20
19																											
20*																											
21*		.01			.01	.01	.01	.02	.02				.05	.05	.05	.05	.05	.05	.05	.04	.02	.02	.01	.01	.029	18	.06
22																											
23																											
24																											
25											.02	.02	.02	.03	.03	.03	.03	.02	.02	.01	.01	.01	.01	.02	.019	14	.04
26	.01	.01		.03	.03	.02	.01	.02	.02	.02	.04	.06	.07	.06											.030	13	.07
27*				.02	.02	.02	.02	.05	.03	.03	.04	.05	.04	.03	.02	.02	.02	.02			.02	.01	.01	.01	.025	19	.05
28*	.01			.02			.01	.01	.01	.02	.03	.03	.04	.04	.04	.04	.03	.02	.02	.02	.01	.02	.02	.01	.021	20	.04
29	.01	.01		.01	.00	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.00	.03	.014	23	.04
30	.02	.01		.01	.01	.01	.02	.01	.01	.02	.04	.05	.06	.06	.07	.06	.05	.05			.04		.04	.03	.032	20	.09
31																											
MEAN	11	10	2	11	12	14	14	14	13	13	14	15	.05 16	15	13	13	.04 16	.03 16	12	13	14	12	13	15		311	
NO																											
MAX.	.03	.02	.01	.03	.03	.02	.02	.05	.07	.16	.10	.09	.10	.08	.10	.10	.08	.07	.05	.05	.05	.05	.04	.04	.057		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-68

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1		.02		.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.04	.05	.04	.02	.03	.02	.02	.03	.01	.01	.01	.021	22	.06
2	.01	.01		.01	.01	.02	.02		.02	.03	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02	.01	.01			.019	20	.04
3*																											
4*	.01			.01	.01								.05	.06			.04	.03	.03	.02	.02	.02	.02	.01	.024	13	.06
5					.01	.01	.01	.01	.00	.02	.05	.05	.04	.05	.06	.06	.08	.05	.04	.03	.04	.04	.04		.034	19	.09
6									.03	.03	.05	.04	.04	.04	.04	.03	.03	.02		.01		.02	.02		.031	13	.06
7																											
8					.01	.01	.01		.03	.04	.06	.06	.07	.05	.05	.05	.04	.05	.04	.03	.01	.01	.01	.01	.032	19	.08
9	.00	.00		.00	.00	.00	.00	.00	.00	.01	.03	.03	.04	.03	.03	.04									.014	15	.05
10*							.01	.01	.02	.03	.03	.04	.04	.04	.04	.03	.03	.03	.02	.02					.027	14	.04
11*										.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.01	.02	.01	.022	15	.03
12	.01	.02		.01	.01	.00	.01	.01	.02	.01	.02	.03	.05	.08	.12	.13	.10	.08	.05	.03	.02	.01	.02	.02	.036	23	.14
13	.01	.01		.01	.01	.01	.01	.01	.01	.01	.04	.04	.04	.04	.03	.04	.03	.03	.04	.04			.03	.02	.023	21	.05
14																											
15																											
16																											
17*		.00				.01		.01	.02	.02	.04	.04	.04	.03	.02	.01				.01	.01	.01	.01	.00	.017	16	.05
18*	.00	.00				.01	.01	.02	.02	.02		.04	.04	.03	.04	.04	.04	.04	.03	.02	.01	.01	.01	.01	.023	20	.06
19	.01	.01		.01	.01	.01	.01		.00	.01	.02	.02	.03	.04	.03	.03									.017	14	.05
20		.01		.01	.01	.00	.00	.00	.00	.00	.00							.01	.00	.00	.00	.00	.00	.01	.004	16	.02
21	.01	.01		.02			.01	.00	.02	.03	.03	.03	.04				.03	.02	.02		.01	.01	.02	.01	.018	17	.04
22	.01	.01		.01	.01	.01	.01	.01	.02	.03	.04	.07	.08	.13	.14	.11	.06	.05	.05	.04	.02	.01	.01	.03	.041	23	.19
23																											
24*																											
25*		.01		.01	.01	.01	.01	.02	.03	.04	.05	.05	.05			.04	.04	.04	.03	.03	.02	.01	.02	.02	.026	20	.06
26																											
27																											
28																											
29		.02		.02	.01	.01	.02	.01	.02			.04	.03	.04			.03	.03			.02	.04	.03	.02	.024	16	.06
30	.02				.02		.03			.02	.01	.02	.03	.03	.02	.01	.01	.01	.01	.00	.00	.00	.01	.01	.015	18	.05
31*																											
MEAN							.01		.01	.02	.03	.04	.04	.05		.04	.04	.03		.02		.01	.02				
NO	10	13		12	14	14	16	13	17	18	17	18	19	17	15	16	16	17	15	16	15	16	16	14		354	
MAX	.02	.02		.02	.02	.02	.03	.02	.03	.04	.06	.07	.08	.13	.14	.13	.10	.08	.05	.04	.04	.04	.04	.03	.041		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-69

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*		.02		.04	.02	.01	.01	.01	.01	.02	.02					.02	.02	.02	.01	.01	.01	.00	.01	.01	.015	18	.05
2	.01	.01		.01	.01	.01	.01	.01	.02	.02	.04	.03	.04	.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.017	23	.05
3	.01	.01		.01	.02	.02	.02	.03	.03	.04	.05	.04	.04	.05	.04	.08	.08	.06	.04	.06					.038	19	.12
4																											
5	.03	.02		.03	.03	.03	.02	.02	.03	.03	.04	.05	.03	.05	.04	.02	.02	.02	.02	.02	.02	.02	.02	.03	.027	23	.06
6	.04	.04		.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.01	.02	.02	.01	.01	.01	.023	23	.04
7*	.01	.01		.01	.01	.01	.01	.02	.02	.03	.03	.03	.04			.05	.04	.02	.02	.03	.02	.02	.07	.13	.029	21	.18
8*	.04	.06		.02	.01	.02	.01	.02	.02	.03	.04	.08	.08	.07	.08	.09	.10	.07	.04	.04	.02	.03	.02	.03	.043	23	.11
9	.03	.04		.02	.01	.01	.02	.03	.04	.04	.05	.05			.06	.05	.04	.04	.03	.03	.02	.01	.01	.01	.030	21	.08
10	.02	.02		.02	.02	.01	.01	.03	.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.01	.02	.02	.017	23	.04
11	.01	.01		.01	.01	.01	.01	.01				.03	.03			.03	.02	.02	.01	.01	.01	.01	.00	.01	.014	18	.04
12	.00	.00		.01	.00	.00	.01	.01	.01	.01	.01	.02			.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.010	21	.04
13																											
14*																											
15*																											
16																											
17																											
18																											
19																											
20		.04		.04	.03	.02	.05	.07	.06						.06	.06	.04	.04	.04	.05	.05	.04	.05	.04	.045	17	.09
21*	.04	.04		.03	.02	.02	.03	.04	.04	.03	.05	.05	.07	.08	.06	.06	.06	.04							.044	17	.10
22*																											
23										.03	.04	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.06	.05	.05	.049	19	.07
24	.06	.06		.04	.02	.01	.01	.03	.04	.09	.12	.06	.07	.06	.07	.06	.05	.04	.04	.04	.04	.01	.04	.05	.048	23	.14
25																											
26		.02		.02	.02	.01	.03					.03	.04	.04	.05	.04	.04	.03	.03	.02	.03	.03	.02	.03	.028	18	.06
27				.03	.02	.01	.03				.04	.04	.05	.05			.04		.00	.02	.09	.12	.05	.04	.041	19	.13
28*	.03	.03		.02	.01		.02	.02	.03			.04	.04	.04	.05	.04	.03	.02	.02	.03	.02	.02	.02	.03	.027	20	.05
29*	.02	.02		.02	.02	.02	.02		.02	.03	.03	.03	.03	.03	.03	.03	.02	.01	.01	.00	.01	.03		.03	.022	21	.05
30	.03			.02		.01	.02	.03		.02	.04	.04	.05	.04	.04	.04	.04	.03	.02	.02	.02	.02	.02	.02	.028	20	.06
MEAN		.03		.02	.02	.01	.02	.03			.04	.04	.04		.04	.04	.04	.03	.02	.03	.03	.03	.03	.03	.029		
NO.	15	17		19	18	18	19	16	15	15	16	18	16	14	16	19	20	19	19	19	18	18	17	18		399	
MAX	.06	.06		.04	.03	.03	.05	.07	.06	.09	.12	.08	.08	.08	.08	.09	.10	.07	.05	.06	.09	.12	.07	.13	.049		.18

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-70

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA,PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02	.03		.02	.01	.01	.02	.04	.04	.04	.04	.05	.05	.05	.06	.06	.05	.04	.03	.04	.03	.02	.02	.01	.033	23	.07
2																											
3					.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.01	.02	.02	.025	20	.04
4	.02	.03		.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.01	.01	.01		.01	.01	.01	.017	22	.03
5@	.01	.01		.01	.01	.01	.02	.02		.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.04	.02	.03	.03	.017	22	.05
6@	.02	.04		.01	.03	.04	.07	.08	.02					.04	.04	.04	.03	.03	.02	.02	.02	.02	.02	.02	.030	19	.10
7	.02	.02		.03	.03	.01	.01			.02	.02	.02			.03	.03	.02	.03	.02	.02	.01	.02	.03	.02	.022	19	.04
8	.02	.02					.04	.04		.04	.04	.05	.06	.06	.06	.06	.05	.05	.04	.04	.03	.03	.03	.03	.040	19	.07
9	.03	.02		.02	.01	.00	.02	.04	.03	.06	.05	.04			.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.025	21	.07
10	.02	.01		.01	.01	.00	.03		.03	.02	.02	.03			.01	.02	.02	.02	.02	.02	.02	.02	.01	.02	.018	20	.04
11																											
12@									.02	.02	.02	.03		.02	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.014	15	.04
13@																											
14									.01	.01	.01	.01	.01	.01	.02	.00			.01		.02	.02	.02	.02	.013	13	.03
15																											
16																											
17	.00	.00		.00	.00	.01	.02	.03	.05	.04	.03	.03	.04	.03	.03	.03	.02	.01	.01	.01	.01	.01	.01	.01	.018	23	.05
18	.01	.01		.01	.00	.01	.01	.02	.03						.01	.01	.01	.00		.00	.00	.00	.00	.00	.007	17	.03
19@	.00	.01		.01	.01	.00	.00	.00	.01	.00	.01	.01			.00	.00	.00	.01	.01	.01					.004	17	.01
20@																											
21																											
22																											
23																											
24																											
25																											
26@																											
27@																											
28																											
29																											
30																											
31																											
MEAN	11	11		10	11	11	12	10	11	12	12	12	7	9	14	14	13	13	13	13	12	13	13	13		270	
NO.	.03	.04		.03	.03	.04	.07	.06	.05	.06	.05	.05	.06	.06	.06	.06	.05	.05	.04	.04	.04	.03	.03	.03	.040		.10
MAX.																											

@ Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-71

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2*																											
3*																											
4																											
5																											
6																											
7																											
8																											
9*																											
10*																											
11																											
12				.01	.01	.02	.01	.01	.00	.01	.01	.01	.00	.00	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.008	21	.02
13	.01	.01		.01	.02	.01	.01	.01	.01	.01	.01	.01	.01				.00	.01	.01	.01	.00	.01	.01	.01	.009	20	.02
14	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.009	21	.02
15	.00	.01		.01	.01	.01	.00	.04	.03							.00	.00	.01	.01	.00	.01	.00	.00	.00	.008	17	.05
16*	.01	.01		.01	.01	.01	.00	.01	.01	.00	.00	.00			.00	.00	.00	.00	.01	.01	.02	.01	.01	.01	.006	21	.03
17*	.01	.01		.01	.00	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.02	.01	.02	.02	.01	.01	.02	.03	.012	23	.04
18																											
19																											
20																											
21		.01	.01	.02	.02	.02	.02	.03	.03	.04	.03	.03	.03	.03	.01			.04	.03	.02	.01	.02	.01	.01	.021	21	.06
22																											
23*																											
24*		.02		.01	.01	.03	.02	.01	.04	.02	.02	.03	.02	.01		.02	.03	.02	.01	.01	.02	.01	.01		.017	20	.12
25																											
26		.01		.01	.01	.01	.00	.01	.01	.01	.02	.02	.02			.01	.01	.01	.01	.01	.01	.01	.01		.011	19	.03
27																											
28																											
29	.02	.02		.02	.01		.02	.02	.02	.02	.02	.02			.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.020	20	.04
30*	.02	.01					.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.016	20	.02
MEAN NO. MAX	7 .02	10 .02	1 .01	10 .02	10 .02	9 .03	11 .02	11 .04	11 .04	10 .04	10 .03	10 .03	8 .03	6 .03	7 .03	9 .03	10 .03	11 .04	11 .03	11 .02	11 .02	11 .02	11 .02	9 .03	.021	225	.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-72

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

PHILADELPHIA, PA.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.01			.02	.01	.01	.01						.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.011	16	.03
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18		.02		.01	.02	.01	.01	.01	.01	.02	.02	.02	.02		.02	.03	.03	.03	.03	.03	.03		.04	.04	.022	20	.04
19																											
20					.03			.08	.08	.03	.02		.03					.01	.02	.02	.03	.02	.02	.03	.033	13	.14
21*	.02			.02	.02	.02	.02	.02	.02	.01	.03	.03	.04			.04	.03	.04	.03	.03	.03	.04	.03	.04	.028	20	.06
22*																											
23																											
24		.02					.02	.02	.02	.02	.03	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.022	19	.04
25																											
26																											
27				.00	.00	.01				.01	.02	.01	.02			.03	.03	.03	.03	.03	.03	.03	.03	.04	.021	16	.06
28*																											
29*																											
30		.02		.01	.01	.01			.01		.01	.02	.03	.02	.03	.03	.01	.02	.01	.01	.01	.01	.01		.015	18	.05
31																											
MEAN	2	3		5	6	5	4	4	5	5	6	5	7	3	3	6	6	7	7	7	7	6	7	6		122	
NO																											
MAX	.02	.02		.02	.03	.02	.02	.08	.08	.03	.03	.03	.04	.03	.03	.04	.03	.04	.03	.03	.03	.04	.04	.04	.033		.14

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

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SOILING INDEX DATA TABLES

Tables 4-1 through 4-12 present soiling index values at the station by month. Each value was obtained from a 2-hour integrated sample beginning at the time indicated in the column heading. A missing value indicates that the sample was not taken or was invalid because of instrument malfunction.

The first summary line (titled MONTHLY MEAN) represents the arithmetic mean of the 2-hour average values in the column, and is calculated only if 16 or more days are represented. The first summary column (titled DAILY MEAN) gives the arithmetic mean of the 2-hour values for the day; if fewer than seven such values are present, the daily mean is not calculated, and the data are not included in the summaries; however, the component 2-hour values for the day are not deleted from the table as is done with the data on gaseous pollutants.

The other summary columns and rows are the number of and maximum of the respective 2-hour values. Four summary figures appear in the lower right corner; the mean and maximum values for the month are the upper left and lower right figures, respectively, while the center figure is the total number of values. The lower left summary number is the maximum daily average from the column above.

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Table 4-1

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	PHILADELPHIA PENNSYLVANIA AVG	N (1)	JAN/68 MAX (2)
01	1.0	1.2	1.2	0.9	0.2	0.1	0.1	0.2	0.5	0.7	0.7	0.5	0.65	12	1.2
02	0.3	0.7	0.6	1.0	1.2	1.5	1.9	5.3	5.3	5.3	4.1	2.5	2.52	12	5.3
03	2.3	2.3	2.3	2.0	3.6	1.4	1.4	1.6	2.3	1.3	1.6	1.6	2.03	12	3.6
04	1.4	1.0	0.8	1.6	0.7	1.7	2.7	2.5	2.7	0.7	0.4	0.3	1.42	12	2.7
05	0.2	0.6	0.6	1.0	0.9	0.5	0.9	0.9	1.7	1.4	1.4	1.0	0.96	12	1.7
06	1.3	1.2	1.2	1.6	1.9	1.6	1.3	1.0	1.3	0.6	0.6	1.0	1.26	12	1.9
07	2.0	1.7	1.8	2.1	1.0	1.4	0.4	0.2	0.1	0.4	0.5	0.7	1.07	12	2.1
08	0.3	0.9	0.4	0.8	1.6	0.5	0.4	0.5	0.8	0.4	0.4		0.69	11	1.6
09	0.5		0.3	0.3	0.9	1.4	2.0	1.7	1.7	1.0	1.4	1.2	1.16	11	2.0
10	0.9	0.7	0.9	1.3	1.0	0.9	0.9	0.9	1.1	1.5	1.0	0.5	1.00	12	1.5
11	0.6	0.8	0.3	0.7	0.8	0.6	0.4	1.0	1.6	1.0	0.7	0.7	0.82	12	1.6
12	1.1	0.7	0.3	0.7	1.0	0.9	0.8	1.4	1.3	1.2	1.1	0.9	1.00	12	1.4
13	0.8	0.9	1.4	1.5	1.7	1.2	1.2	0.9	0.7	0.6	0.9	0.9	1.11	12	1.7
14	0.4	0.5	0.9	0.3	0.4	0.8	0.5	0.9	0.9	1.6	0.7	1.2	0.79	12	1.6
15	0.9	0.5	0.9	0.9	2.6	1.3	2.2	2.2	2.1	1.3	0.5	0.3	1.34	12	2.6
16	0.3		0.5		0.5	0.4	0.2	0.2	0.7	0.8	0.5	0.6	0.50	10	0.8
17	0.3	0.2	1.3	1.1	1.0	1.8	1.8	1.9	2.8	2.3	1.9	2.0	1.57	12	2.8
18	2.0	2.5	1.8	1.4	2.6	2.9	2.5	2.1	2.3	3.7	3.2	2.6	2.58	12	3.7
19	3.4	3.9	3.0	3.8	3.9	3.5	1.9	1.5	1.8	0.8	1.6	1.4	2.58	12	3.9
20	1.5	1.4	1.9	2.1	2.2	2.2	1.0	0.9	1.5	1.9	1.7	2.0	1.74	12	2.2
21	2.5	2.5	2.5	2.8	1.7	1.6	0.7	1.3	0.8	0.8	0.9	0.9	1.62	12	2.8
22	0.7	0.8	0.9	1.4	1.5	1.5	1.3	2.2	2.0	1.0	4.1	3.5	1.79	12	4.1
23	0.7	2.0	2.4	1.6	1.5	2.0	1.5	2.1	2.3	1.9	0.7	0.2	1.62	12	2.4
24	0.3	0.5		0.2	0.7	0.5	0.7	0.7	1.3	0.9	0.7	0.2	0.65	11	1.3
25	0.7	0.5	0.3	0.9	0.7	1.3	0.9	1.1	1.6	1.6	1.4	1.7	1.08	12	1.7
26	0.9	1.3	1.0	1.0	1.4	0.1	0.8	0.7	1.5	1.2	1.8	1.5	1.15	12	1.8
27	1.9	3.3	2.4	2.0	2.1	1.7	1.1	0.9	1.2	1.3	2.1	3.3	1.97	12	3.3
28	2.9	3.1	2.9	2.5	1.9	1.9	1.3	1.3	1.3	2.3	2.3	2.6	2.22	12	3.1
29	1.4	1.4	2.1	2.5	2.7	1.4	1.5	1.2	1.5	0.4	0.9	0.9	1.54	12	2.7
30	0.5	0.5	0.9	1.3	2.9	1.9	1.6	1.8	1.9	1.0	0.7	0.6	1.35	12	2.9
31	0.5	0.4	0.8	1.0	1.1	0.7	0.7	0.8	1.3	0.6	0.6	0.5	0.78	12	1.3
AVG	1.11	1.31	1.28	1.44	1.54	1.32	1.18	1.35	1.60	1.33	1.32	1.26	1.32		
N(3)	31	29	30	30	31	31	31	31	31	31	31	30		367	
MAX*	3.4	3.9	3.0	3.8	3.9	3.5	2.7	5.3	5.3	5.3	4.1	3.5	2.58		5.3

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-2

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	PHILADELPHIA PENNSYLVANIA AVG	FEB/68 N (1)	MAX (2)
01	0.5	0.6	0.4	1.2	1.3	0.8	0.8	0.9	1.7	0.8	1.1	1.2	0.99	12	1.7
02	1.3	1.7	1.1	4.4	1.4	1.1	1.1	1.5	0.8	1.4	0.8	0.4	1.28	12	2.4
03	0.6	0.7	1.3	0.7	0.8	0.5	0.7	0.8	0.9	0.5	0.9	0.6	0.80	12	1.3
04	0.7	0.7	0.4	0.8	0.5	0.4	0.5	0.2	0.4	0.5	0.3	0.3	0.51	12	0.8
05	0.1	1.2	1.3	4.5	1.9	0.8	0.5	0.4	0.7	1.2	1.0	1.3	0.99	12	1.5
06	1.6	1.2	0.8	4.3	0.8	0.2	0.3	0.5	0.7	1.3	1.2	2.0	1.03	12	2.0
07	2.4	2.2	1.7	3.0	1.5	0.8	0.9	0.4	1.5	0.2	0.8	0.1	1.32	12	3.0
08	0.4	0.2	0.4	0.3	0.5	0.2	0.5	1.1	0.9	0.0	0.5	0.5	0.51	12	1.1
09	0.6	0.8	0.9	2.1	1.4	0.7	1.1	1.0	1.2	0.8	1.0	1.5	1.13	12	2.1
10	2.3	0.2	1.2	0.7	0.8	0.7	0.8	0.6	1.3	0.6	1.0	0.6	0.94	12	2.3
11	0.7	0.9	0.3	0.4	0.7	0.8	1.0	0.7	0.8	0.6	0.8	0.8	0.76	12	1.0
12	1.1	0.9	0.8	1.1	0.2	0.2	0.5	1.1	1.0	0.8	0.7	0.7	0.81	12	1.1
13	0.9	0.8	0.7	0.8	0.8	0.7	0.9	0.7	0.8	0.4	0.8	0.4	0.78	12	0.9
14	0.8	0.5	0.7	0.9	1.3	1.5	1.9	1.6	2.4	1.8	1.6	1.7	1.43	12	2.4
15	2.1	1.5	1.2	1.9	1.7	1.6	1.2	1.4	1.9	1.3	1.3	1.3	1.58	12	2.1
16	1.1	0.7	0.3	1.0	1.4	0.5	1.5	1.3	2.1	1.9	2.1	1.7	1.34	12	2.1
17	2.3	2.1	1.6	2.0	1.9	3.2	3.7	2.6	1.5	0.7	0.8	0.4	1.90	12	3.7
18	0.4	0.7	0.7	4.6	1.3	1.3	1.3	1.6	1.1	1.1	0.9	1.4	1.15	12	1.6
19							0.8	1.1	1.7	1.6	1.3	1.3			
20	0.9	0.9	1.4	4.5	1.7	0.4	1.0	1.3	1.4	1.6	1.3	0.9	1.31	12	2.5
21	1.1	0.8	0.1	0.7	0.6	0.9	1.1	1.6	1.4	1.1	1.3	1.0	1.03	12	1.6
22	0.9	1.0	1.1	4.3	0.8	1.8	1.0	1.3	2.0	1.4	0.9	1.7	1.31	12	2.0
23	1.5	1.6	1.4	2.2	1.7	1.1	1.5	1.1	2.1	1.5	1.3	1.0	1.54	12	2.2
24	0.6	0.7	1.0	0.7	0.9	0.8	0.4	0.6	0.6	1.2	1.4	0.7	0.85	12	1.4
25	0.7	0.8	1.1	0.9	0.6	0.6	0.7	0.4	0.8	0.6	0.9	0.7	0.77	12	1.1
26	0.4	1.0	0.8	1.0	1.0	0.6	0.9	0.9	1.6	1.3	2.6	2.0	1.20	12	2.6
27	3.8	4.0	4.7	5.5	5.6	1.9	1.9	1.2	2.9	1.3	1.3	1.5	3.01	12	5.6
28	1.6	2.4	3.5	4.9	4.2	2.9	1.4	0.8	0.6	1.2	1.4	2.5	2.32	12	4.9
29	3.3	2.3	1.7	2.0	1.7	2.3	2.3	1.0	1.7	1.5	0.9	0.8	1.83	12	3.3
AVG	1.23	1.18	1.16	4.62	1.35	1.04	1.12	1.02	1.31	1.02	1.10	1.06	1.19		
N(3)	28	28	28	28	28	28	28	28	28	28	28	28		336	
MAX*	3.8	4.0	4.7	5.5	5.6	3.2	3.7	2.6	2.9	1.9	2.6	2.5	3.01		5.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-3

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

PHILADELPHIA PENNSYLVANIA

MARCH/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.3	3.2	2.1	0.1	1.0	1.1	0.9	0.9	1.0	1.1	0.9	0.8	1.16	12	3.2
02	1.2	1.0	1.2	½.5	1.R	1.7	1.4	1.5	1.3	1.0	0.9	0.9	1.33	12	1.8
03	4.1	0.4	0.3	U.4	0.5	0.4	0.4	0.8	0.8	0.6	0.3	0.5	0.82	12	4.1
04	0.0	0.5	1.0	2.0	1.5	1.3	1.1	0.7	1.8	1.4	1.0	0.6	1.10	12	2.0
05	0.6	1.0	1.3	2.0	1.0	0.5	0.6	1.2	1.3	1.4	2.0	1.6	1.25	12	2.0
06	1.4	1.5	1.5	2.0	1.R	2.9	1.6	1.1	2.1	2.2	2.2	1.1	1.83	12	2.9
07	0.9	0.6	0.7	0.6	0.3	0.6	0.5	0.7	0.8	1.1	2.0	2.2	0.97	12	2.2
08	3.5	2.0	2.0	2.9	3.1	2.6	1.2	1.4	1.6	4.3	2.2	2.6	2.49	12	4.3
09	2.1	2.6	2.6	4.4	2.6	2.9	2.5	2.9	3.1	2.1	2.1	3.2	2.64	12	3.2
10	3.5	3.1	3.5	3.6	4.4	2.9	2.3	2.5	1.7	2.2	2.4	2.2	2.89	12	4.4
11	1.6	1.2	0.3	0.9	1.0	0.5	1.0	0.8	0.8	0.5	1.1	0.9	0.93	12	1.6
12	0.6	1.1	1.4	1.2	1.2	0.8	1.0	1.4	2.0	1.3	0.8	2.0	1.29	12	2.0
13	3.7	3.3	1.7	2.1	1.1	0.9	2.1	1.1	1.2	0.9	0.8	1.0	1.70	12	3.7
14	0.5	0.6	0.7	1.2	1.4	0.9	0.9	0.8	1.5	1.0	1.1	1.7	1.07	12	1.7
15	1.7	2.0	1.7	½.3	1.2	0.9	0.7	1.1	1.3	0.9	0.5	0.6	1.21	12	2.0
16	0.9	0.9	0.8	½.5	1.5	1.3	0.7	1.1	0.8	0.5	0.3	0.8	0.97	12	1.5
17	0.6	0.8	0.5	1.1	0.R	1.1	0.8	0.7	0.4	0.7	0.5	0.7	0.76	12	1.1
18	0.2	0.5	0.2	0.5	0.8	1.0	0.5	0.9	1.1	0.6	0.6	0.8	0.67	12	1.1
19	0.9	0.6	0.5	1.1	0.9	0.8	0.6	0.5	1.1	1.3	1.5	1.7	0.98	12	1.7
20	2.3	1.9	1.9	2.9	2.4	1.1	1.1	1.1	1.0	1.9	0.9	1.5	1.70	12	2.9
21	1.3	1.7	1.8	2.1	3.9	4.3	4.5	4.2	4.9	3.5	2.4	1.4	3.03	12	4.9
22	1.0	1.6	1.4	1.1	1.3	1.7	1.9	2.4	2.2	1.7	1.1	1.3	1.60	12	2.4
23	1.6	1.6	0.5	0.6	0.7	0.7	0.5	0.9	1.1	0.7	0.9	0.6	0.91	12	1.6
24	1.4	1.0	1.4	½.3	1.6	1.0	1.1	0.6	0.7	1.1	0.9	0.9	1.11	12	1.6
25	0.9	0.9	0.5	U.4	0.9	0.8	0.7	0.9	1.2	1.6	0.7	1.7	0.96	12	1.7
26	1.7	1.3	1.4	1.8	1.3	0.4	0.6	1.1	1.1	0.8	0.4	0.8	1.10	12	1.8
27	0.8	0.9	1.2	1.7	1.R	1.0	0.7	1.1	1.4	1.2	2.1	1.1	1.29	12	2.1
28	2.0	1.6	3.2	5.3	5.4	2.8	2.2	2.3	1.8	2.4	2.2	4.9	3.04	12	5.4
29	4.5	3.1	4.5	4.1	4.4	2.1	1.5	1.5	1.9	1.6	1.2	1.2	2.67	12	4.5
30	0.4	0.5	0.4	0.2	0.6	0.8	0.3	0.4	0.4	0.7	1.9	1.3	0.71	12	1.9
31	0.8	0.9	1.1	½.3	0.6	0.5	0.1	0.5	0.6	0.5	0.4	0.9	0.71	12	1.3
AVG	1.52	1.41	1.39	½.65	1.70	1.36	1.16	1.26	1.41	1.38	1.23	1.40	1.40		
N(3)	31	31	31	31	31	31	31	31	31	31	31	31		372	
MAX@	4.5	3.3	4.5	5.3	5.4	4.3	4.5	4.2	4.9	4.3	2.4	4.9	3.04		5.4

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
@ MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-4

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	PHILADELPHIA PENNSYLVANIA AVG	N (1)	APRIL/68 MAX (2)
01	1.2	1.2	0.6				0.4	0.5	0.9	0.3	0.6	0.6	0.74	09	1.2
02	0.8	0.7	0.9	0.9	0.4	0.8	0.8	0.6	1.5	1.2	0.7	1.3	0.93	12	1.5
03	1.0	0.6	1.3	1.7	0.8	1.8	1.2	0.9	1.9	1.1	1.2	0.7	1.20	12	1.9
04	1.0	0.7	0.5	1.1	1.3	1.3	2.0	1.2	1.3	1.2	1.1	0.7	1.15	12	2.0
05	0.9	1.1	0.8	0.8	0.5	0.4	0.6	0.7	1.1	0.3	0.7	0.5	0.74	12	1.1
06	0.7	0.6	0.8	0.4	0.9	0.9	0.9	0.6	0.8	0.8	0.7	0.6	0.76	12	0.9
07	0.7	0.9	1.0	1.1	0.9	0.4	0.4	0.6	0.4	0.4	1.2	0.6	0.76	12	1.2
08	0.8	0.4	0.9	1.5											
09															
10															
11					1.0	1.0	0.4	0.4	0.9	0.8	0.7	0.9	0.80	08	1.0
12	0.8	0.7	1.5	1.6	0.9	0.8	0.6	0.6	1.2	0.9	0.6	1.4	0.99	12	1.6
13	1.7	2.0	1.9	4.6	1.6	1.6	1.2	0.9	1.3	1.0	1.7	1.9	1.66	12	2.6
14	2.2	2.4	2.6	2.0	1.3	1.3	0.4	0.5	0.4	0.4	0.5	0.6	1.25	12	2.6
15	0.2	0.6	0.7	0.9	1.5	1.2	0.9	0.9	0.6	0.8	0.6	0.6	0.83	12	1.5
16	0.4	0.0	0.6	0.4	0.7	0.3	0.2	0.3	0.9	1.0	0.5	1.0	0.56	12	1.0
17	0.4	0.7	0.5	1.0	0.9	0.7	0.6	1.4	1.1	1.0	0.5	1.2	0.86	12	1.4
18	0.7	0.7	1.0	1.4	1.4	1.0	0.6	0.9	1.9	1.8	1.6	1.4	1.23	12	1.9
19	1.8	1.6	0.8	1.7	2.0	2.2	1.7	1.8	1.8	1.4	1.0	1.5	1.65	12	2.2
20	1.4	1.6	1.4	1.1	1.0	0.6	0.7	0.3	0.3				0.97	09	1.6
21															
22						1.3	0.5	1.1	1.0	0.6	0.4	0.6	0.83	07	1.3
23	0.7	0.4	0.1	0.8	0.9	0.6	0.7	0.6	0.9	0.9	1.0	0.7	0.73	12	1.0
24	0.5	0.5	0.6	0.6	1.8	1.1	0.6	0.1	0.8	0.5	0.0	0.8	0.71	12	1.8
25	0.8	0.7	0.4	0.8	0.6	0.9	0.5	0.7	1.1	1.3	0.6	1.2	0.85	12	1.3
26	1.1	1.0	1.2	1.2	1.3	1.1	1.2	0.8	1.1	0.8	0.8	0.7	1.07	12	1.3
27	0.8	0.8	0.9	1.1	1.4	1.8	1.0	0.8	0.9	0.4	1.1	1.2	1.06	12	1.8
28	1.1	0.9	1.1	0.7	0.3	0.4	0.3	0.1	0.4	0.6	1.2	1.1	0.72	12	1.2
29	1.5	3.3	2.1	2.3	1.8	0.9	0.9	0.7	0.6	0.9	0.8	0.8	1.41	12	3.3
30	0.7	1.4	2.7	2.0	1.9	1.7	1.0	2.1	1.1	0.7	1.0	1.3	1.49	12	2.7
AVG	0.95	1.02	1.07	1.23	1.12	1.04	0.78	0.77	1.00	0.84	0.83	0.95	.95		
N(3)	25	25	25	24	24	25	26	26	26	25	25	25		297	
MAX*	2 2	3.3	2.7	4.6	2.0	2.2	2.0	2.1	1.9	1.8	1.7	1.9	1.66		3.3

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-5

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

PHILADELPHIA PENNSYLVANIA — MAY/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.8	0.9	1.1	1.3	0.4	0.4	0.6	0.7	0.9	0.4	1.1	0.6	0.90	12	1.8
02	0.6	0.9	0.8	0.8	1.0	1.0	0.7	0.6	0.7	1.0	1.3	0.4	0.85	12	1.3
03	0.9	1.2	1.4	1.5	1.6	1.7	1.5	1.8	1.0	0.8	1.0	1.2	1.35	12	1.8
04	0.9	1.0	0.4	0.8	0.5	0.4	0.3	0.5	0.2	0.8	0.8	0.5	0.64	12	1.0
05	0.2	0.6	0.9	0.5	1.0	0.6	0.5	0.8	0.4	0.8	0.9	0.5	0.69	12	1.0
06	0.5	0.3	0.9	0.4	0.4	0.6	0.2	0.3	0.3	0.7	0.6	0.4	0.51	12	0.9
07	0.4	0.8	0.9	1.2	0.6	0.3	0.4	0.6	0.7	1.4	1.6	0.8	0.84	12	1.6
08	0.9	1.2	1.6	0.7		0.7	0.7	0.7	0.6	0.5	0.8	0.9	0.87	11	1.6
09	0.5	1.1	1.2	1.3	0.9	1.4	1.7	0.7	0.9	0.8	0.7	1.1	1.07	12	1.7
10	0.9	1.5	1.8	1.2	0.7	0.6	0.7	0.7	1.1	1.1	1.9	1.2	1.16	12	1.9
11	0.8	1.1	1.3	1.2	0.5	0.5	0.8	0.1	0.7	0.6	0.3	0.7	0.76	12	1.3
12	0.8	0.8	0.9	0.7	0.6	0.9	0.7	0.7	0.7	0.7	0.9	0.5	0.79	12	0.9
13	0.3	0.4	1.7	0.9	0.9	0.8	0.7	1.0	0.4	0.6	0.2	0.1	0.72	12	1.7
14	0.8	0.8	1.4	0.9	0.8	0.9	0.1	0.5	0.4	0.5	0.5	0.6	0.73	12	1.4
15	0.6	0.4	0.8	1.3	1.0	0.8	0.1	0.8	1.2	0.7	0.9	1.3	0.86	12	1.3
16	1.2	1.1	1.3	1.6	1.2	0.4	0.8	0.9	1.2	1.0	0.3	0.7	1.01	12	1.6
17	1.0	1.4	1.7	1.1	1.0	0.9	0.6	0.7	0.7	0.9	0.7	1.1	1.03	12	1.7
18	2.1	2.1	1.8	1.5	0.8	0.7	0.9	1.2	0.4	0.9	0.8	1.0	1.22	12	2.1
19	0.7	0.8	0.4	0.6	0.4	0.5	0.5	0.8	0.3	0.6	0.6	0.5	0.59	12	0.8
20		0.3	0.7	0.7	0.7	0.8	0.6	0.4	1.0	0.6	0.7	0.7	0.68	11	1.0
21	0.6	0.8	0.8	0.9	0.6	0.5	0.7	0.4	1.1	0.8	1.0	0.7	0.79	12	1.1
22	0.8	0.6	0.4	0.4	0.6	0.4	0.3	0.2	0.5	0.5	0.7	0.9	0.56	12	0.9
23	1.0	1.4	2.3	2.7	2.8	1.9	1.4	1.2	1.3	0.5	0.8	1.1	1.56	12	2.8
24	0.5	0.8	1.1	1.2	1.1	0.9	1.1	1.2	1.7	1.3	1.6	1.3	1.20	12	1.7
25	1.1	0.5	1.0	0.9	1.1	0.4	0.5	0.5	0.4	0.8	1.0	1.3	0.84	12	1.3
26	0.9	1.2	0.8	1.4	1.0	0.6	0.3	0.3	0.2	0.6	1.0	0.4	0.75	12	1.4
27	0.2	0.2	0.5	0.6	0.6	0.4	0.4	0.8	0.7	0.2	0.3	0.7	0.51	12	0.8
28	0.5	0.2	0.9	1.2	0.8	1.0	1.1	0.7	0.7	0.7	0.3	0.3	0.69	12	1.2
29	0.9	0.6	1.3	1.2	1.4	0.7	1.0	1.0	0.9	0.6	1.4	1.0	1.01	12	1.4
30	0.8	0.5	0.8	0.8	0.8	0.4	0.6	0.4	0.2	0.1	0.8	0.9	0.63	12	0.9
31	0.5	0.8	0.6	0.7	1.0	0.3	0.4	0.4	1.2	0.3	0.8	0.8	0.69	12	1.2
AVG	0.77	0.84	1.07	1.03	0.89	0.72	0.67	0.69	0.73	0.70	0.84	0.78	.80		
N(3)	30	31	31	31	30	31	31	31	31	31	31	31		370	
MAX*	2.1	2.1	2.3	2.7	2.8	1.9	1.7	1.8	1.7	1.4	1.9	1.3	1.56		2.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-6

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

PHILADELPHIA PENNSYLVANIA — JUNE/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.8	0.5	0.8	0.3	0.5	0.3	0.4	0.4	0.5	0.7	0.7	0.2	0.55	12	0.8
02	0.6	0.8	0.6	0.9	0.8	0.7	0.7	0.5	1.0	0.6	0.9	1.8	0.86	12	1.8
03	1.6	1.5	2.0	1.7	1.8	1.0	1.0	0.7	0.6	0.8	0.4	0.8	1.19	12	2.0
04	0.7	0.8	1.2	1.0	1.3	0.9	0.5	0.5	0.6	0.9	1.8	2.5	1.10	12	2.5
05	1.9	1.1	1.4	1.8	0.9	0.6	0.4	0.0	1.2	0.6	1.0	0.7	1.00	12	1.9
06	1.5	1.8	1.9	1.7	1.6	1.0	1.0	1.1	0.8	1.2	1.5	1.2	1.40	12	1.9
07	1.1	1.0	1.5	2.0	1.4	1.7	1.3	0.9	1.6	0.7	1.0	1.0	1.33	12	2.0
08	0.7	0.5	1.2	0.8	1.0	0.7	0.8	0.4	0.4	0.5	0.2	0.5	0.68	12	1.2
09	0.1	0.3	0.2	0.4	0.5	0.2	0.4	0.3	0.4	0.4	0.5	0.9	0.42	12	0.9
10	0.6	0.1	0.8	0.7	0.9	0.9	1.0	0.4	0.6	0.2	0.5	0.3	0.63	12	1.0
11	0.5	0.3	0.4	0.8	0.9	0.8	0.9	0.8	0.7	0.5	0.4	0.4	0.67	12	0.9
12	0.7	0.6	0.5	0.4	1.0	0.6	1.3	1.5	1.0	0.9	0.7	0.2	0.81	12	1.5
13	0.1	0.4	0.3	1.3	0.8	0.5	0.3	0.6	0.5	0.2	0.3	0.5	0.55	12	1.3
14	0.8	0.8	0.9	0.7	0.5	0.8	0.4	0.7	1.0	0.5	1.1	0.9	0.80	12	1.1
15	1.5	1.2	0.9	1.8	1.3	0.8	1.0	0.6	1.2	0.9	0.6	0.7	1.10	12	1.8
16	0.6	1.4	0.9	0.7	0.4	0.7	0.3	0.5	0.3	0.9	0.4	0.6	0.67	12	1.4
17	0.2	0.2	0.5	0.6	0.6	0.4	0.2	0.6	1.4	0.8	0.7	0.7	0.60	12	1.4
18	0.1	0.8	0.1	0.8	0.4	0.4	0.3	0.6	0.6	0.5	0.5	0.7	0.52	12	0.8
19	0.3	0.7	0.7	0.8	0.8	0.4	0.4	0.4	0.6	0.2	0.4	0.5	0.55	12	0.8
20	0.4	0.6	0.9	0.4	0.4	0.3	0.4	0.4	0.3	0.2	0.4	0.6	0.48	12	0.9
21	0.6	0.5	0.8	0.8	0.4	0.3	0.3	0.3	0.3	0.5	0.9	0.6	0.56	12	0.9
22	0.9	0.7	0.4	0.9	0.9	0.7	0.5	0.7	1.0	0.6	0.5	0.4	0.71	12	1.0
23	0.1	0.2	0.5	0.0	0.3	0.4	0.1	0.1	0.3	0.0	0.9	0.5	0.32	11	0.9
24	0.8	0.7	0.5	0.8	0.7	0.4	0.5	0.6	0.8	1.1	0.6	0.8	0.73	12	1.1
25	0.8	1.1	1.2	1.6	0.6	0.8	0.5	0.7	0.4	0.7	1.0	0.5	0.86	12	1.6
26	0.5	0.2	0.4	0.6	0.5	0.3	0.5	0.2	1.3	1.2	0.7	0.6	0.64	12	1.3
27	0.9	0.1	0.3	0.5	0.7	0.4	1.0	0.9	0.4	0.3	0.5	0.5	0.53	12	1.0
28	0.3	0.3	0.8	0.7	0.6	0.4	0.8	0.4	0.4	0.6	0.2	0.1	0.51	12	0.8
29	0.7	0.7	0.7	1.2	0.8	0.8	0.6	0.1	0.6	0.1	0.2	0.4	0.62	12	1.2
30	0.3	0.4	0.5	0.1	0.2	0.4	0.1	0.2	0.6	0.1	0.6	0.2	0.36	12	0.6
AVG	0.67	0.67	0.80	0.89	0.79	0.62	0.59	0.53	0.71	0.58	0.67	0.67	.69		
N(3)	30	30	30	30	30	29	30	30	30	30	30	30		359	
MAX*	1.9	1.8	2.0	2.0	1.8	1.7	1.3	1.5	1.6	1.2	1.8	2.5	1.40		2.5

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-7

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
PHILADELPHIA PENNSYLVANIA JULY/68															
01	0.7	0.4	1.1	0.5	0.2	0.6	0.3	0.4	0.5	0.8	0.6	0.6	0.60	12	1.1
02	0.8	0.7	0.5	1.2	0.5	0.8	0.2	0.6	0.5	0.4	0.4	0.4	0.61	12	1.2
03	0.7	0.5	0.3	0.6	0.7	0.8	0.3	0.7	0.9	0.5	0.6	0.3	0.61	12	0.9
04	0.4	0.5	0.3	0.4	0.4	0.4	0.6	0.1	0.5	0.6	0.1	0.4	0.44	12	0.6
05	0.4	0.5	0.9	0.6	0.4	0.3	0.3	0.5	0.2	0.7	0.5	0.3	0.51	12	0.9
06	0.5	1.0	0.5	0.2	0.4	1.1	0.5	0.2	0.4	0.3	0.3	0.5	0.54	12	1.1
07	0.8	0.6	0.7	0.2	0.3	0.5	0.5	0.3	0.3	0.3	1.1	0.7	0.56	12	1.1
08	0.8	0.6	0.3	0.9	0.5	0.8	0.1	0.4	0.3	0.1	0.3	0.6	0.51	12	0.9
09	0.5	0.6	0.8	0.7	1.4	0.8	0.7	0.5	0.7	0.8	0.7	0.4	0.77	12	1.4
10	0.3	0.3	0.6	1.1	0.3	0.4	0.1	0.3	0.9	0.6	0.4	0.9	0.56	12	1.1
11	1.2	1.2	2.1	1.7	2.2	1.9	1.5	1.2	1.9	1.1	1.3	0.8	1.55	12	2.2
12	0.8	0.4	0.6	1.0	1.0	1.2	0.6	0.4	0.4	0.4	0.3	1.0	0.71	12	1.2
13	0.5	0.9	1.7	1.8	1.8	1.0	1.3	0.6	0.2	0.1	0.1		0.95	11	1.8
14	0.7	0.2	0.2	0.2	0.8	0.3	0.8	0.4		0.3	0.4	0.1	0.44	11	0.8
15	0.2	0.3	0.6	0.9	1.3	0.5	1.2	0.6	1.1	0.6	0.8	0.4	0.73	12	1.3
16	0.7	0.5	1.2	1.3	1.3	0.7	0.7	0.8	0.7	0.8	0.8	0.8	0.90	12	1.3
17	0.9	1.5	1.6	1.8	1.2	0.8	1.0	1.1	1.2	1.8	1.9	2.2	1.45	12	2.2
18	1.4	1.6	2.5	2.8	2.4	1.3	0.2	0.5	0.5	0.1	0.7	0.1	1.22	12	2.8
19	0.3	1.0	0.5	0.3	0.8	0.5	0.7	0.6	0.5	0.5	1.0	1.2	0.70	12	1.2
20	0.4		0.1	0.6	0.1		0.2	0.4	0.3	0.6	0.6	0.2	0.40	10	0.6
21	0.7	0.1	0.6	0.9	0.4	0.4	0.3	0.2	0.2	0.5	0.9	0.8	0.54	12	0.9
22	0.8	0.6	0.9	1.0	0.3	0.2	0.8	0.8	0.5	0.3	0.4	0.6	0.64	12	1.0
23	0.5	0.6	1.2	0.7	0.5	0.8	0.3	0.5	0.4	0.7	0.7	1.2	0.71	12	1.2
24															
25															
26															
27															
28															
29							0.1	0.6	0.1	0.5	0.6	1.4			
30	0.9	1.6	1.7	1.1	0.9	0.3	0.7	0.7	0.4	0.2	0.2	0.3	0.80	12	1.7
31	0.6	1.1	1.1	1.5	0.7	0.7	0.6	0.9	0.3	0.2	0.9	0.4	0.78	12	1.5
AVG	0.66	0.72	0.90	0.96	0.83	0.71	0.58	0.54	0.57	0.53	0.64	0.63	.70		
N(3)	25	24	25	25	25	24	25	25	24	25	25	24		296	
MAX*	1.4	1.6	2.5	2.8	2.4	1.9	1.5	1.2	1.9	1.8	1.9	2.2	1.55		2.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-8

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	PHILADELPHIA PENNSYLVANIA AVG	AUG/68 N (1)	MAX (2)
01	0.5	0.4	0.5	1.2	0.8	0.6	0.4	0.2	0.8	1.3	0.3	0.5	0.67	12	1.3
02	0.6	0.6	0.4	0.9	0.8	0.6	0.6	0.4	0.1	0.6	0.6	0.7	0.61	12	0.9
03	0.4														
04															
05						0.5	0.9	1.0	0.6	0.8	0.5	0.8	0.77	07	1.0
06	0.8	0.5	0.4	1.0	1.0	0.7	0.6	1.1	0.6	0.6	0.4	0.9	0.75	12	1.1
07	0.3	0.5	0.4	1.1	1.0	0.7	0.3	0.4	0.6	0.6	0.6	0.2	0.60	12	1.1
08	0.5	1.1	1.2	1.1	0.8	0.8	0.3	0.6	0.6	0.6	1.1	1.1	0.85	12	1.2
09	1.1	1.1	1.1	0.8	0.5	0.3	0.8	0.4	0.3	0.6	0.3	1.0	0.73	12	1.1
10	0.5	0.5	0.5	1.0	0.4	0.1	0.5	0.4	0.4	0.1	0.3	0.1	0.44	12	1.0
11	0.1		0.2		0.5	0.1			0.3	0.2		0.9	0.37	07	0.9
12	1.2	0.9	1.0	0.9	0.5	0.7	0.5	1.0	0.9	0.6	0.8	0.2	0.82	12	1.2
13	1.2	1.1	1.0	1.8	1.0	0.2	0.3	0.5	0.2	0.9	0.5	0.4	0.80	12	1.8
14	0.7		0.6	1.4	0.9	0.8	1.2	0.5	1.1	0.8	0.9	1.1	0.95	11	1.4
15	0.8	0.6		0.4	0.3	0.4	0.6	0.4	0.9	0.7	0.5	1.3	0.66	11	1.3
16	2.2	2.1	2.6	1.6	1.9	0.6	1.0	0.5	0.8	0.4	0.7	0.3	1.21	12	2.6
17	0.8	0.5	1.2	0.5	0.6	0.4	0.5	0.2	0.5	0.5	0.8	0.6	0.63	12	1.2
18	0.7	0.8	0.4	0.3	0.6	0.5	0.5	0.4	0.4	0.2	0.5	0.6	0.54	12	0.8
19	0.9	0.2	0.6	1.2	0.1	0.6	0.2	0.2	0.5	0.2	0.5	0.1	0.49	12	1.2
20	0.4	0.5	0.4	1.1	1.3	0.9	0.9	0.9	0.2	0.8	0.8	0.9	0.81	12	1.3
21	0.1	0.7	1.1	1.2	0.3	0.5	0.4	0.3	0.3		0.7	1.1	0.64	11	1.2
22	1.0	1.1	1.7	1.6	0.7	0.4	1.0	1.0	1.0	0.3	0.6	0.5	0.94	12	1.7
23	1.0	0.6	1.1	0.9	0.3	0.2	0.4	0.2	0.8	0.4	0.2	0.7	0.60	12	1.1
24	0.4	0.6	0.5	0.7	0.8	0.2	0.7	0.5	0.3	1.0	0.4	0.4	0.59	12	1.0
25	0.8	0.6		0.6	0.2	0.6	0.2	0.1	0.1	0.6	0.2	0.1	0.41	11	0.8
26	0.6	0.7	0.4		0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.3	0.49	11	0.7
27	0.5	0.7	0.7	0.3	0.4	0.0	0.1	0.1	0.5	0.3	0.3	0.3	0.39	12	0.7
28	0.6	0.3	0.9	1.2	0.6	0.7	0.5	0.5	1.0	0.3	0.7	0.9	0.73	12	1.2
29	1.0	0.5	0.6	1.0	0.5	0.3	0.1	0.4	0.3	0.5	0.8	0.4	0.57	12	1.0
30	1.0	0.8	1.3	1.4	0.9	0.4	0.6	0.4	0.6	0.8	0.6	1.2	0.86	12	1.4
31	1.0	1.5	2.4	2.2	1.1	0.4	0.5	0.4	0.5	0.3	0.6	0.5	0.98	12	2.4
AVG	0.74	0.75	0.89	1.05	0.66	0.46	0.53	0.47	0.53	0.55	0.56	0.62	.64		
N(3)	29	26	26	26	28	29	28	28	29	28	28	29		333	
MAX*	2.2	2.1	2.6	2.2	1.3	0.9	1.2	1.1	1.1	1.3	1.1	1.3	1.21		2.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-9

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

PHILADELPHIA PENNSYLVANIA

SEPT/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.9	0.9	1.0	0.8	1.1	0.3	0.5	0.1	0.4	0.0	0.5	0.5	0.62	12	1.1
02	0.8	0.4	0.6	0.8	0.2	0.5	0.3	0.3	0.3	0.4	0.7	0.7	0.50	12	0.8
03	1.1	1.2	1.4	1.3	2.1	1.9	1.0	0.8	0.5	0.7	1.6	2.0	1.34	12	2.1
04	1.1	1.0	1.6	1.6	2.5	2.1	0.6	0.7	0.9	0.5	0.7	0.7	1.22	12	2.5
05	0.7	0.6	0.7	0.8	0.9	0.8	0.7	0.8	0.6	1.1	0.3	0.5	0.75	12	1.1
06	0.6	0.3	0.2	0.3	0.3	0.7	0.4	0.5	0.3	0.8	0.7	0.4	0.51	12	0.8
07	0.5	0.9	0.7	1.1	0.9	0.9	0.4	0.5	0.2	0.4	0.7	0.7	0.69	12	1.1
08	1.9	1.6	1.6	1.0	0.4	0.5	0.8	0.4	0.6	0.4	0.5	0.4	0.88	12	1.9
09	0.5	0.6	0.6	1.1	1.9	0.6	0.5	0.6	0.8	0.3	0.3	0.3	0.71	12	1.9
10	0.0	0.4	0.5	0.7	0.8	0.4	0.1	0.6	0.8	0.2	0.1	0.3	0.46	12	0.8
11	0.5	0.4	0.5	0.7	0.7	0.4	0.7	0.7	0.7	0.5	0.4	0.5	0.59	12	0.7
12	0.5	0.5	0.6	1.0	0.5	0.3	0.3	0.2	0.4	0.6	0.7	0.7	0.57	12	1.0
13	0.6	0.5	0.9	1.0	0.4	0.0	0.6	0.6	0.6	0.6	0.7	1.0	0.69	12	1.0
14	1.3	1.3	1.0	1.1	0.4	0.3	0.3	0.2	0.5	1.0	0.7	1.0	0.79	12	1.3
15	0.8	1.0	0.9	0.8	0.9	0.2	0.5	0.2	0.5	0.3	0.5	0.5	0.64	12	1.0
16	0.3	1.2	2.0	2.4	1.9	1.3	0.5	0.8	0.8	0.8	0.4	0.5	1.11	12	2.4
17	0.6	0.8	2.3	2.2	2.8	2.6	0.7	0.7	1.2	0.8	0.8	0.6	1.39	12	2.8
18	1.8	1.4	1.7	1.9	1.0	1.0	0.3	0.6	0.6	0.4	0.9	2.0	1.17	12	2.0
19	1.7	1.1	1.6	1.5	1.0	0.8	0.6	0.5	0.5	0.8	1.1	2.0	1.14	12	2.0
20	2.0	1.4	1.4	1.7	1.5	0.5	0.6	0.3	0.7	0.3	1.1	1.1	1.09	12	2.0
21	1.4	0.9	1.0	1.0	1.1	1.0	0.6	0.7	0.8	0.4	0.3	0.4	0.84	12	1.4
22	0.3	0.3	0.3	0.6	0.6	0.4	0.5	0.3	0.2	0.2	0.7	0.8	0.47	12	0.8
23	0.9	0.8	0.8	1.3	0.8	0.7	0.3	0.5	0.5	0.6	0.8	0.5	0.76	12	1.3
24	0.6	0.9	0.4	1.4	1.2	0.8	0.7	0.3	0.5	0.3	0.8	0.5	0.77	12	1.4
25	0.7	0.5	0.3	0.9	0.9	0.5	0.4	0.4	0.4	0.2	1.0	0.5	0.58	12	1.0
26	0.6	1.1	1.1	0.8	0.6	0.5		1.0	0.6	0.5	0.4	0.4	0.71	11	1.1
27	0.5	0.3	0.3	0.7	0.7	0.2	0.2	0.3	0.7	0.9	1.3	0.9	0.63	12	1.3
28	0.5	0.4	0.1	0.8	0.7	0.0	0.5	0.2		0.5	0.1	0.1	0.40	11	0.8
29	0.7	0.5	0.6	0.8	0.3		0.2	0.2	0.4	0.4	0.5	0.7	0.50	11	0.8
30	0.4	0.2	0.4	0.8	0.4	0.5	1.3	0.9	0.9	0.9	0.9	0.6	0.72	12	1.3
AVG	0.82	0.78	0.91	1.09	0.99	0.71	0.52	0.49	0.58	0.52	0.66	0.72	.72		
N(3)	30	30	30	30	30	29	29	30	29	30	30	30		357	
MAX*	2.0	1.6	2.3	2.4	2.8	2.6	1.3	1.0	1.2	1.1	1.6	2.0	1.39		2.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-10

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	OCT/68 N (1)	MAX (2)
						PHILADELPHIA PENNSYLVANIA									
01	1.1	0.8	1.2	1.9	1.5	0.8	0.8	0.8	1.5	1.3	1.3	1.0	1.20	12	1.9
02	1.3	1.0	1.5	1.5	2.0	0.6	0.4	0.6	0.6	0.7	0.6	0.5	0.98	12	2.0
03	0.8	0.5	0.7	0.9	0.8	0.9	1.2	1.0	0.8	0.8	0.7	0.5	0.83	12	1.2
04	0.1	0.3	0.3	0.5	0.7	0.3	0.7	0.5	0.7	0.5	0.4	0.4	0.49	12	0.7
05	0.1	0.4	0.6	0.6	0.4	0.6	0.0	0.4	0.6	0.4	0.9	0.6	0.51	12	0.9
06	0.8	1.1	1.6	2.3	0.6	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.78	12	2.3
07	0.3	0.6	0.6	1.1	0.9	0.3	0.7	0.7	0.8	0.6	0.7	0.9	0.70	12	1.1
08	0.7	0.7	1.0	1.2	0.7	0.3	0.4	0.5	0.7	0.6	0.5	0.9	0.72	12	1.2
09	0.7	0.4	0.7	0.9	1.1	1.0	0.5	0.8	0.8	0.4	0.8	0.6	0.78	12	1.1
10	0.7	0.7	1.8	1.4	1.1	0.1	0.3	0.1	0.7	0.3	0.3	0.2	0.69	12	1.8
11	0.4	0.6	1.0	1.7	1.3	1.7	1.3	1.2	1.5	1.0	0.9	0.7	1.16	12	1.7
12	0.6	0.5	0.8	0.5	0.8	0.6	0.2	0.4	0.6	0.3	0.2	0.7	0.54	12	0.8
13	0.8	0.5	0.5	0.7	0.5	0.8	0.9	0.7	0.6	1.0			0.75	10	1.0
14						0.9	0.8	0.9	1.4	1.2	0.6	0.5	0.96	07	1.4
15	2.7	4.3	2.9	3.3	3.0	1.9	1.4	1.6	1.2	1.0	1.4	2.8	2.35	12	4.3
16	2.4	3.1	2.2	3.4	2.6	1.1	1.4	0.9	0.4	0.9	0.8	0.4	1.68	12	3.4
17	1.0	1.6	2.4	3.4	3.7	1.4	0.5	0.8	0.3	0.7	0.5	0.6	1.44	12	3.7
18	0.9	1.2	1.5	1.6	0.5	0.5	0.4	0.5	0.1		0.7	0.1	0.77	11	1.6
19	0.4	0.2	0.3	0.4	0.2	0.3	1.0	0.2	0.4	0.1		0.2	0.37	11	1.0
20	0.4	0.3	0.3	0.5	0.4	0.4		0.5	0.3	0.6	0.9	0.8	0.52	11	0.9
21	0.2	0.4	0.6	0.3	0.1	0.5	0.7	0.9	0.7	0.4	0.4	1.7	0.61	12	1.7
22	3.0	1.4	1.0	0.5	0.7	1.0	0.8	0.9	0.5	0.7	0.9	1.2	1.10	12	3.0
23	1.9	0.8	0.8	0.8	0.4	1.2	1.2	1.1	1.4	0.6	0.6	1.4	1.05	12	1.9
24	1.2	1.4	0.9	0.6	0.9	1.1	0.7	0.9	0.4	0.4	0.4	0.5	0.83	12	1.4
25	0.9	0.7	0.4	0.5	0.5	1.0	1.0	0.5	0.5	0.7	0.3	0.7	0.69	12	1.0
26	0.2	0.1	0.2	0.4	0.5	0.2	0.5	0.9	0.9	0.3	0.8	0.7	0.51	12	0.9
27	0.3	0.9	0.3	0.4	0.3	0.4	0.3	0.3	0.2	0.6	0.5	0.8	0.49	12	0.9
28	0.4	1.2	1.2	0.2	0.5	0.9	1.1	1.5	1.1	0.5	0.3	0.5	0.82	12	1.5
29	0.5	0.6	1.0	0.7	0.7	0.5	0.9	0.6	0.8	0.8	0.8	0.5	0.73	12	1.0
30	0.7	0.5	0.3	1.3	0.8	0.7	0.5	0.6	1.4	1.1	0.9	0.4	0.80	12	1.4
31	0.2	1.0	0.5	1.6	1.2	0.5	0.4	0.7	1.2	0.9	1.9	1.9	1.03	12	1.9
AVG	0.85	0.92	0.97	1.17	0.98	0.73	0.71	0.71	0.75	0.66	0.70	0.77	.82		
N(3)	30	30	30	30	30	31	30	31	31	30	29	30		362	
MAX*	3.0	4.3	2.9	3.4	3.7	1.9	1.4	1.6	1.5	1.3	1.9	2.8	2.35		4.3

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-II

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

PHILADELPHIA PENNSYLVANIA — NOV/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	2.7	2.1	3.3	4.2	3.3	1.3	1.2	1.2	1.8	1.7	1.0	1.6	2.16	12	4.2
02	1.7	1.3	1.7	1.9	1.9	0.8	0.4	0.8	0.7	1.2	2.1	0.8	1.30	12	2.1
03	0.6	1.0	1.0	1.4	1.6	0.5	0.6	0.9	0.6	0.7	0.7	0.8	0.91	12	1.6
04	1.2	0.7	1.0	1.2	1.3	1.2	0.5	0.7	0.8	0.5	0.6	0.8	0.91	12	1.3
05	0.6	0.5	1.0	1.5	1.5	1.1	0.8	0.8	1.0	1.0	1.4	0.8	1.04	12	1.5
06	0.8	1.2	0.4	1.2	1.2	0.5	0.4	0.5	1.1	0.6	0.7	0.3	0.78	12	1.2
07	0.4	0.3	0.3	0.4	1.0	0.4	0.5	0.7	0.8	0.7	0.5	0.3	0.57	12	1.0
08	0.3	0.3	0.6	0.9	1.0	0.8	0.5	0.5	0.7	0.2	0.7	0.8	0.65	12	1.0
09	0.7	0.8	0.8	0.8	0.2	0.5	0.7	0.7	0.5	0.3	0.8	0.4	0.64	12	0.8
10	0.6	0.7	0.5	0.4	0.6	0.3	0.2	0.6	0.7	0.6		0.3	0.54	11	0.7
11	0.3	0.1	0.4	0.9	1.1	0.7	1.1	1.0	1.7	0.5	1.3	1.2	0.92	12	1.7
12	0.9	0.5	0.5	0.2	1.0	0.7	0.7	0.9	0.6	0.2	0.2	0.6	0.62	12	1.0
13	0.4	0.6	0.6	0.9	0.8	0.6	0.4	0.6	1.3	0.7	0.4	0.2	0.65	12	1.3
14	0.6	0.4	0.9	1.3	0.9	0.6	0.7	0.4	1.4	1.2	1.1	1.7	0.97	12	1.7
15	1.8	1.6	1.5	2.7	2.3	1.9	1.5	1.4	2.2	1.7	1.7	1.5	1.86	12	2.7
16	2.2	1.7	2.1	2.9	1.6	1.0	0.8	0.8	0.5	0.6	0.8	1.1	1.38	12	2.9
17	0.9	0.7	0.6	1.0	0.6	1.1	1.1	1.2	1.4	1.7	1.7	1.8	1.19	12	1.8
18	1.7	2.3	1.7	1.6	1.7	1.0	0.7	0.9	1.1	0.2	0.4	0.5	1.19	12	2.3
19	0.7	0.4	0.4	0.8	0.7	0.7	0.5	0.8	0.9	1.1	0.9	0.7	0.76	12	1.1
20	0.4	1.0	1.3	0.8	0.8	0.7	0.4	0.4	1.4	0.7	0.8	0.8	0.83	12	1.4
21	0.7	1.0	0.7	1.2	1.1	0.7	0.7	1.1	1.5	0.8	0.9	1.3	1.01	12	1.5
22	0.7	0.9	1.1	1.3	2.1	1.5	0.5	0.6	2.2	0.7	1.1	1.8	1.25	12	2.2
23	1.0	0.8	1.4	2.2	3.0	1.3	0.9	1.3	0.4	0.8	0.8	0.9	1.28	12	3.0
24	0.9	1.3	1.2	1.4	1.5	1.2	0.8	0.9	0.8	0.6		0.6	1.05	11	1.5
25	0.3	0.2	0.6	1.1		1.2	0.3	0.3	0.5	0.3	0.5	0.7	0.60	11	1.2
26	1.1	1.0	0.9	1.1	0.7	0.9	0.5	0.5	2.1	1.4	1.0	1.1	1.07	12	2.1
27	1.4	1.3	1.3	2.0	1.9	1.1	1.3	1.1	1.6	0.6	1.0	1.4	1.39	12	2.0
28	1.4	1.6	1.4	1.1	1.8	1.3	0.7	0.7	0.6	0.7	0.3	0.3	1.05	12	1.8
29	0.4	0.6	0.4	1.3	0.6	0.5	0.5	0.3	0.5	0.2	0.6		0.57	11	1.3
30	0.4	0.3		0.3	0.7	0.3	0.7	0.1	0.6	0.4	0.3	0.2	0.44	11	0.7
AVG	0.92	0.90	1.02	1.33	1.32	0.88	0.68	0.75	1.06	0.75	0.86	0.87	.93		
N(3)	30	30	29	30	29	30	30	30	30	30	28	29		355	
MAX*	2.7	2.3	3.3	4.2	3.3	1.9	1.5	1.4	2.2	1.7	2.1	1.8	2.16		4.2

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-12

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	PHILADELPHIA PENNSYLVANIA AVG	DEC/68 N (1)	MAX (2)
01	0.2	0.8	0.8	1.1	1.7	0.6	0.9	1.0	1.1	0.5	0.6	1.2	0.93	12	1.7
02	1.3	1.0	0.8	1.3	1.2	0.8	1.1	1.5	1.9	2.1	1.6	1.5	1.40	12	2.1
03	1.5	2.0	1.2	3.9	2.7	1.1	1.6	1.7	2.2	0.5	1.7	0.7	1.78	12	3.9
04	1.0	1.1	0.6	0.9	0.5	1.2	1.4	1.0	1.1	1.0	0.6	0.4	0.94	12	1.4
05	0.3	0.5	0.7	0.6	0.5	1.2	0.2	0.8	0.5	0.7	0.3	0.4	0.60	12	1.2
06	0.5	0.5	0.5	1.1	0.6	0.3	0.5	0.3	1.5	1.0	1.1	1.4	0.81	12	1.5
07	1.9	2.4	0.5	1.0	0.9	0.7	0.6	0.3	0.4	0.9	0.5	0.2	0.89	12	2.4
08	0.6	0.1	0.4	0.2	0.3	0.1	0.6	0.0	0.1	0.3	0.1		0.29	11	0.6
09	0.4		0.4	0.5	0.5	0.4	0.9	0.1	1.2	0.4	0.5	0.2	0.55	11	1.2
10	0.8		0.2	0.7	0.5	0.7	0.8	0.5	1.9	1.1	0.8	0.9	0.86	11	1.9
11	0.4	1.3	1.3	2.2	2.0	2.5	2.1	1.8	3.2	3.0	2.0	2.5	2.07	12	3.2
12	2.1	1.9	2.0	4.2	2.4	1.8	0.9	1.2	2.1	1.7	2.0	2.3	2.10	12	4.2
13	2.1	1.4	1.5	1.6	2.5	2.2	1.6	1.0	1.4	1.0	1.3	1.2	1.59	12	2.5
14	0.8	1.5	2.2	1.6	1.8	0.7	0.8	1.1	0.8	0.7	0.4	0.5	1.10	12	2.2
15	0.7	0.4	0.6		0.6	0.2	0.7	0.6	0.8	0.3	1.0	0.6	0.63	11	1.0
16	0.7	0.8	0.8	0.8	0.9	0.7	0.5	1.1	1.1	1.2	1.0	1.1	0.94	12	1.2
17	1.2	1.3	1.5	1.9	2.1	1.1	0.7	1.0	2.2	1.2	0.7	1.6	1.41	12	2.2
18	1.4	1.3	2.1	4.4	2.9	1.8	1.6	1.6	2.8	1.8	2.3	2.8	2.11	12	2.9
19	2.2	1.6	2.5	2.9	3.8	2.5	1.9	3.0	3.5	2.5	2.1	3.4	2.69	12	3.8
20	2.2	2.1	2.4	3.7	3.9	1.4	0.8	1.0	1.1	1.0	1.2	0.8	1.83	12	3.9
21	0.8	0.6	0.5	0.5	0.1	0.8	0.5	0.3	0.6	1.3	0.8	1.0	0.70	12	1.3
22	1.6	0.8	0.4	0.4	1.4	1.1	0.4	1.1	1.2	0.8	1.1	1.0	0.98	12	1.6
23	1.8	1.6	2.1	1.2	1.2	1.2	0.9	0.9	0.7	0.7	0.8	0.4	1.17	12	2.1
24	0.2	0.7	0.5	0.5	0.8	0.6	0.7	0.5	0.7		0.4	0.7	0.61	11	0.8
25	0.3	0.1	0.1			0.6	0.5	0.0	0.2	0.3	0.2	0.3	0.30	10	0.6
26	0.8		0.5	0.5	0.9	0.3	0.6	0.8	0.7	0.6	0.7	1.0	0.71	11	1.0
27	0.9	1.2	0.4	0.9	1.2	1.1	1.1	1.4	1.6	1.2	1.0	1.6	1.16	12	1.6
28	2.1	2.7	2.3	2.8	2.8	2.9	2.9	1.0	0.7	0.3	0.7	0.5	1.85	12	2.9
29	0.3	0.3	0.8	0.8	0.8	0.5	0.6	0.5		0.5	0.1	0.6	0.55	11	0.8
30	0.4	0.5	0.4	0.4	0.2			0.3	0.2	1.1	1.1	1.0	0.61	10	1.1
31	0.5	1.0	0.4	0.8	1.1	1.3	0.8	0.4	0.4	0.9	0.7	0.7	0.79	12	1.3
AVG	1.03	1.12	1.01	1.42	1.42	1.08	0.97	0.89	1.26	1.02	0.94	1.08	1.08		
N(3)	31	28	31	29	30	30	30	31	30	30	31	30		361	
MAX*	2.2	2.7	2.5	4.2	3.9	2.9	2.9	3.0	3.5	3.0	2.3	3.4	2.69		4.2

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE